

# EXHIBIT 2

Declaration of Christina Kelley

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Andrew Lees

Serial No.: 08/456,694

Filed: June 1, 1995

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Group Art Unit: 1816

Examiner: K. Kim

For: PRODUCING IMMUNOGENIC CONSTRUCTS USING SOLUBLE  
CARBOHYDRATE ACTIVATED VIA ORGANIC CYANYLATING REAGENTS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**DECLARATION OF CHRISTINA KELLEY**

I, Christina Kelley, do hereby declare as follows:

1. That, since 1991, I have been employed by Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. as a Library Research Specialist;
2. As part of my duties at Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., I conduct on-line computer searches on various commercially available data-bases, including the DIALOG® database;
3. On or about September 18, 1996, I was asked to conduct an on-line computer search to locate articles or conference papers in the vaccine field written by Edward Konadu, Joseph Shiloach, Dolores A. Bryla, John B. Robbins or Shousun C. Szu;
4. For this search, I selected the following DIALOG® files as the relevant search universe: (a) DIALOG® File 155: MEDLINE®; (b) DIALOG® File 5: BIOSIS PREVIEWS®;

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

and (c) DIALOG® File 73: EMBASE. A description of the content of the MEDLINE® file is attached to this Declaration as Exhibit 2A. A description of the content of the BIOSIS PREVIEWS® file is attached to this Declaration as Exhibit 2B. A description of the content of the EMBASE file is attached to this Declaration as Exhibit 2C. Upon information and belief, the descriptions included in Exhibits 2A to 2C are supplied to Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. by DIALOG® as a subscriber to the DIALOG® services, and further on information and belief, these descriptions accurately describe the content of these DIALOG® files.

5. To locate relevant articles or conference papers in this search universe where an E. Konadu is listed as an author, I searched for the character string "vaccin" in combination with a listing of "Konadu E" in the author field. The search results are attached as Exhibit 2D. From these search results, I conclude that E. Konadu is listed as an author on at least 5 journal articles or conference papers that include the character string "vaccin" in the abstract.

6. To locate relevant articles or conference papers in this search universe where a J. Shiloach is listed as an author, I searched for the character string "vaccin" in combination with a listing of "Shiloach J" in the author field. The search results are attached as Exhibit 2E. From these search results, I conclude that J. Shiloach is listed as an author on at least 24 journal articles or conference papers that include the character string "vaccin" in the abstract.

7. To locate relevant articles or conference papers in this search universe where a D. Bryla is listed as an author, I searched for the character string "vaccin" in combination with a listing of "Bryla D" in the author field. The search results are attached as Exhibit 2F. From these search results, I conclude that D. Bryla is listed as an author on at least 24 journal articles or conference papers that include the character string "vaccin" in the abstract.

8. To locate relevant articles or conference papers in this search universe where a J.B. Robbins is listed as an author, I searched for the character string "vaccin" in combination with a listing of "Robbins JB," "Robbins J.B.," "Robbins J. B.," or "Robbins J B" in the author field. The search results are attached as Exhibit 2G. From these search results, I conclude that J.B. Robbins is listed as an author on at least 151 journal articles or conference papers that include the character string "vaccin" in the abstract.

9. To locate relevant articles or conference papers in this search universe where an S. Szu is listed as an author, I searched for the character string "vaccin" in combination with a listing of "Szu S" in the author field. The search results are attached as Exhibit 2H. From these search results, I conclude that S. Szu is listed as an author on at least 45 journal articles or conference papers that include the character string "vaccin" in the abstract.

I hereby declare that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these

Serial No.: 08/456,694  
Applicant: Andrew Lees  
Docket No.: 04995.0005-02000

statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

By: Christina Kelley  
Christina Kelley

Date: September 23, 1996

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT  
& DUNNER, L. L. P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

# EXHIBIT 2A

Description of the MEDLINE® Database - DIALOG® File 155

## ABRIDGED BLUESHEET

# DIALOG

# 154,155

## MEDLINE® ONTAP® MEDLINE® (File 254)

### FILE DESCRIPTION

MEDLINE (MEDLARS® onLINE), produced by the U.S. National Library of Medicine, is one of the major sources for biomedical literature. MEDLINE corresponds to three print indexes: *Index Medicus*™, *Index to Dental Literature*, and *International Nursing Index*. Additional materials not published in *Index Medicus* are included in the MEDLINE database in the areas of communication disorders, and population and reproductive biology. MEDLINE is indexed using NLM's controlled vocabulary, MeSH® (Medical Subject Headings). An online thesaurus is available to aid in locating MeSH descriptors.

Abstracts, which are taken directly from the published articles, are included for over 59% of the records added from 1975 forward. Records added before 1975 do not contain abstracts; records added from 1985 to the present have abstracts for about 69% of the records. Approximately 400,000 records are added per year, of which more than 85% are in English.

File 254 is available for Online Training And Practice and contains records from November -December 1994. MEDLINE is also available in compact-disc format with KR OnDisc™ MEDLINE.

### SUBJECT COVERAGE

MEDLINE covers virtually every area in the broad field of biomedicine, including, but not limited to, the following: Clinical Medicine; Experimental Medicine; Dentistry; Nursing; Hospital Literature; Paramedical Professions; Communication Disorders; Population and Reproductive Biology; Pharmacology and Pharmaceuticals; Psychiatry and Psychology; Education and Health Professionals; Health Services Administration; Environment and Public Health; Veterinary Medicine; Behavioral and Mental Disorders; Health Occupations; Occupational Medicine; Nutrition; Pathology; Anatomy and Physiology; Microbiology and Parasitology; Toxicology; and Medical Specialties (e.g., Cardiology, Neurology, Endocrinology, etc.).

### TIPS

#### USE FILE 154

Use (L) operator to link descriptors and subheadings:  
S ASPIRIN(L)AE  
S BLINDNESS(L)CHEMICALLY INDUCED

#### USE EXPLODE (!)

to search narrower descriptors in the MeSH vocabulary:  
S DIABETES MELLITUS!

#### USE THE ONLINE THESAURUS

to check and select MeSH thesaurus terms:  
E (ACUPUNCTURE)

#### USE MAP

to take CAS® Registry Numbers to another file:  
MAP RN TEMP.

#### USE LIMITs

for human subjects (/HUMAN) and for English (/ENG)

### DIALOG FILE DATA

Inclusive Dates:	1985 to the present (File 154) 1966 to the present (File 155)
Update Frequency:	Weekly*
File Size:	8,546,000 records (File 155)
*Monthly updates in January and February.	

### ORIGIN

Medline is produced by the U.S. National Library of Medicine. Questions concerning file content should be directed to:

MEDLARS Management Section  
National Library of Medicine  
8600 Rockville Pike  
Bethesda, MD 20894  
Telephone: 800-638-8480 (U.S., HI, AK)  
301-496-6193  
FAX: 301-496-0822  
E-mail: mms@nlm.nih.gov

## SAMPLE RECORD

DIALOG(R) File 154:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

AN= 09481918 96003518  
 /TI The use of expanded polytetrafluoroethylene (Gore-Tex) in rhinoplasty. A  
 6-year experience.

AU= Godin MS; Waldman SR; Johnson CM Jr  
 CS= Department of Otolaryngology, Medical College of Virginia, Richmond, USA.  
 JN=, CP=, PY= Arch Otolaryngol Head Neck Surg (UNITED STATES) Oct 1995, 121 (10)  
 SN=, JC= p1131-6, ISSN 0886-4470 Journal Code: ALQ

LA= Languages: ENGLISH  
 DT= Document type: JOURNAL ARTICLE; REVIEW; REVIEW OF REPORTED CASES  
 JA= JOURNAL ANNOUNCEMENT: 9601  
 SF= Subfile: AIM; INDEX MEDICUS  
 /AB OBJECTIVE: To determine the safety and efficacy of expanded  
 polytetrafluoroethylene (Gore-Tex soft-tissue patch, W. L. Gore & Assoc  
 Inc, Flagstaff, Ariz) as an implant in rhinoplasty. DESIGN: A retrospective  
 study of 137 patients who underwent rhinoplasty including augmentation with  
 Gore-Tex over a 6-year period. A review of the medical literature  
 concerning the use of Gore-Tex as an implant in the head and neck was also  
 conducted. SETTING: Two major academic medical centers and two private  
 office surgical centers. PARTICIPANTS: One hundred thirty-seven consecutive  
 patients who received Gore-Tex implants in the course of rhinoplasty.  
 INTERVENTION: Sixty-nine patients presented for primary rhinoplasty; the  
 remaining 68 presented for revision surgery. All received Gore-Tex nasal  
 implants to augment the nasal dorsum and/or base. The grafts ranged from 1  
 to 6 mm in thickness. Follow-up ranged from 6 to 80 months, with an average  
 of 25 months. OUTCOME MEASURES: Clinically noted complications and patient  
 satisfaction. RESULTS: Three (2.2%) of 137 grafts became infected and were  
 removed. One graft was removed 5 months post-operatively because of  
 excessive augmentation. None of the patients who underwent implant removal  
 required subsequent augmentation. All 137 patients are pleased with their  
 results. CONCLUSION: Gore-Tex is a safe and effective implant material to  
 use in primary and revision rhinoplasty when augmentation is needed and  
 autogenous material is not available or desirable. (20 Refs.)

/GS Tags: Female; Human; Male  
 /DE/DE\*/DF/DF\* Descriptors: \*Biocompatible Materials; \*Implants, Artificial;  
 \*Polytetrafluoroethylene; \*Rhinoplasty; Adolescence; Adult; Aged;  
 Biocompatible Materials--Adverse Effects--AE; Equipment Failure; Follow-Up  
 Studies; Implants, Artificial--Adverse Effects--AE; Middle Age; Nose  
 --Abnormalities--AB; Nose--Injuries--IN; Nose--Surgery--SU; Patient  
 Satisfaction; Polytetrafluoroethylene--Adverse Effects--AE; Prosthesis-  
 Related Infections--Etiology--ET; Reoperation; Retrospective Studies;  
 Rhinoplasty--Adverse Effects--AE; Rhinoplasty--Methods--MT; Safety

/ID, RN= CAS Registry No.: 0 (Biocompatible Materials); 9002-84-0  
 (Polytetrafluoroethylene)

## FOR COMPLETE BLUESHEET:

ASAF<sup>SM</sup> (fax on demand system): For complete Bluesheet, dial 1-800-496-4470 within the US, or 415-254-8246. Ask for document #3154

FILE 415: Bluesheet information is also available in File 415 (SELECT 154/TI; TYPE S1/9); on the World Wide Web; and on CDROM.

WWW: <http://www.krinfo.com>. KR OnDisc<sup>TM</sup> DIALOG Bluesheets<sup>TM</sup>.

## FOR ONLINE HELP:

See HELP FIELDS 154 for searchable fields; HELP FMT 154 for output formats; HELP LIMIT 154 for limits; HELP MAP 154 for available MAP fields; HELP RATES 154 for cost information; HELP SORT 154 for sorts; HELP THESAURI for techniques of using the online thesaurus.



# EXHIBIT 2B

Description of the BIOSIS PREVIEWS® Database - DIALOG® File 5

# BIOSIS PREVIEWS®

## ONTAP® BIOSIS PREVIEWS® (205)

5,55  
1988

### Information Retrieval Service

## FILE DESCRIPTION

BIOSIS PREVIEWS® contains citations from *Biological Abstracts*® (BA), *Biological Abstracts/RRM*® (Reports, Reviews, Meetings, (BA/RRM)), and *BioResearch Index*® (BioI), the major publications of BIOSIS® (BA/RRM is the successor to BioI beginning in 1980). Together, these publications constitute the major English-language service providing comprehensive worldwide coverage of research in the biological and biomedical sciences. *Biological Abstracts* includes approximately 275,000 accounts of original research yearly from nearly 9,000 primary journal and monograph titles. *Biological Abstracts/RRM* includes an additional 260,000 citations a year from meeting abstracts, reviews, books, notes, letters, selected institutional and government reports, and research communications. U.S. patents are included from 1986 through 1989.

Abstracts are available for records from the *Biological Abstracts* portion of the database starting with Vol. 62, July 1976 and for book synopses in BA/RRM starting in 1985. Most BA/RRM records do not contain abstracts; no BioI records contain abstracts.

All records from 1969 to the present are contained in File 5; records from 1985 to the present are also searchable in File 55. File 205 is available for **ON**line **T**raining **A**nd **P**ractice; it contains BIOSIS PREVIEWS records of January 1990.

## SUBJECT COVERAGE

All life science subjects are covered, including but not limited to the following:

- Aerospace Biology
- Agriculture
- Anatomy
- Bacteriology
- Behavioral Sciences
- Biochemistry
- Bioengineering
- Biophysics
- Biotechnology
- Botany
- Cell Biology
- Clinical Medicine
- Environmental Biology
- Experimental Medicine
- Genetics
- Immunology
- Microbiology
- Nutrition
- Occupational Health
- Parasitology
- Pathology
- Pharmacology
- Physiology
- Public Health
- Radiation Biology
- Systematic Biology
- Toxicology
- Veterinary Science
- Virology
- Zoology

## SOURCES

The material scanned for BIOSIS PREVIEWS includes the following: approximately 9,000 primary journal and monograph titles, books, reviews, technical reports, meetings and meeting abstracts, nomenclatural rules, notes, letters, annual reviews, U.S. patents from 1986 through 1989, bibliographies, guides, and research communications.

## DIALOG FILE DATA

	File 5	File 55	File 205
Inclusive Dates:	1969 to the present	1985 to the present	January 1990 updates
Update Frequency:	Twice a month (approximately 22,500 records per update)	Twice a month (approximately 22,500 records per update)	Not applicable
File Size:	Over 7 million records as of May 1990	Over 2.7 million records as of May 1990	43,406 records

## ORIGIN

BIOSIS PREVIEWS is produced by BIOSIS®. Questions concerning file content should be directed to:

BIOSIS®	Telephone: 800/523-4806 (U.S. except Pennsylvania)
User Communications	215/587-4847 (in Pennsylvania)
2100 Arch Street	Fax: 215/587-2016
Philadelphia, PA 19103-1399	Telex: 831739

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Reg. U.S. Patent and Trademark Office. Dialog Information Services, Inc. is a Knight-Ridder company.

## BIOSIS PREVIEWS®

## SAMPLE RECORD

DIALOG Accession Number  
 0020932820 BIOSIS Number: 89082908  
 SCREENING OF BASIDIOMYCETES FOR LIGNIN PEROXIDASE GENES USING A DNA PROBE  
 AU= KIMURA Y; ASADA Y; KUWAHARA M  
 CS= DEP. BIORESOURCE SCI., KAGAWA UNIV., MIKI-CHO, KAGAWA 761-07, JPN.  
 SO=,JN= APPL MICROBIOL BIOTECHNOL 32 (4). 1990, 436-442. CODEN: AMBID  
 JN= Full Journal Title: Applied Microbiology and Biotechnology  
 LA= Language: ENGLISH  
 SF= Subfile: BA (Biological Abstracts)  
 Basidiomycetes were screened for lignin peroxidase (LPO) genes using a DNA probe prepared from the LPO restriction fragment of Phanerochaete chrysosporium. Southern blot analysis showed restriction fragments of chromosomal DNA of Bjerkandera adusta and Coriolus consors hybridized with the probe. Bjerkandera adusta produced LPO in a glucose-peptide medium. Ion-exchange chromatography showed that this fungus produced multiple molecular forms of LPO. One of the enzymes, LPO-2, was purified and characterized. The molecular weight of LPO-2 was 41,000 with a pI of 4.2. Spectral analysis demonstrated that LPO-2 is a haem protein. The enzyme cleaved lignin model dimers mainly at the C.alpha.-C.beta. position of the side chain. The LPO-2 exhibited close similarity to LPOs of P. chrysosporium with respect to their basic properties.  
 Descriptors/Keywords: BJERKANDERA-ADUSTA CORIOLUS-CONSORS  
 PHANEROCHAETE-CHRYOSOPORIUM FUNGUS CHROMATOGRAPHY BIOTECHNOLOGY INDUSTRY  
 Concept Codes:  
 CC= \*01004 Methods, Materials and Apparatus, General-Laboratory Methods  
 etc. \*02504 Cytology and Cytochemistry-Plant  
 \*03504 Genetics and Cytogenetics-Plant  
 \*10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines  
 \*10806 Enzymes-Chemical and Physical  
 \*39007 Food and Industrial Microbiology-Biosynthesis, Bioassay and Fermentation  
 \*51518 Plant Physiology, Biochemistry and Biophysics-Enzymes  
 \*51522 Plant Physiology, Biochemistry and Biophysics-Chemical Constituents  
 \*51524 Plant Physiology, Biochemistry and Biophysics-Apparatus and Methods  
 10064 Biochemical Studies-Proteins, Peptides and Amino Acids  
 10068 Biochemical Studies-Carbohydrates  
 10504 Biophysics-General Biophysical Techniques  
 Biosystematic Codes:  
 BC= 15300 Basidiomycetes  
 Super Taxa:  
 Microorganisms; Plants; Nonvascular Plants; Fungi

## SEARCH OPTIONS

## BASIC INDEX\*

SEARCH SUFFIX†	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
/AB	AB	Abstract <sup>1</sup>	Word	S LIGNIN(W)PEROXIDASE/AB
/DE	DE	Descriptor/Keyword <sup>2</sup>	Word	S BJERKANDERA(W)ADUSTA/DE
/TI	TI	Title	Word	S SCREENING(F)BASIDIOMYCETES/TI

† If no suffix is specified all Basic Index fields are searched.

\* Chemical names can be searched as chemical segmented terms or as complete words. In File 55 use /FW to restrict retrieval to the complete term, e.g., S METHANE/FW.

<sup>1</sup> Abstracts for BA records from July 1976 forward and for BA/RRM book synopses from 1985 forward.

<sup>2</sup> Also searchable using /KW.

# BIOSIS PREVIEWS®

## ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AB=	—	Abstract Indicator <sup>1</sup>	Phrase	S AB=ABSTRACT
—	AN	DIALOG Accession Number	Phrase	S AN=89082908
AN=	AN	BIOSIS Accession Number	Phrase	S AU=KIMURA Y
AU=	AU	Author	Phrase	S BC=15300
BC=	BC	Biosystematic Code or Super Taxa Name	Phrase	S BC=MICROORGANISMS
BN=	BC	Biosystematic Name	Phrase	S BN=BASIDIOMYCETES
CC=	CC	Concept Code	Phrase	S CC=01004
CL=	CL	Patent Classification <sup>3</sup>	Phrase	S CL=071092000
CN=	CC	Concept Name	Phrase	S CN=PLANT PHYSIOLOGY?
CO=	CO	CODEN <sup>4</sup>	Phrase	S CO=AMBID
CS=	CS	Corporate Source <sup>5</sup>	Word	S CS=(KAGAWA(W)UNIV)
DT=	DT	Document Type	Phrase	S DT=CONFERENCE PAPER
EC=	EC	Enzyme Commission Number	Phrase	S EC=3.1.3.1
—	FN	File Name	Phrase	S JA=89
JA=	—	Journal Announcement	Phrase	S JN="APPLIED MICROBIOLOGY AND BIOTECHNOLOGY"
JN=	JN	Journal Name <sup>6</sup>	Phrase	S JN=APPL MICROBIOL BIOTECHNOL
LA=	LA	Language <sup>5</sup>	Phrase	S LA=ENGLISH
PA=	PA	Patent Assignee <sup>3,7</sup>	Word & Phrase	S PA=(LEVER(W)BROTHERS)
PN=	PN	Patent Number <sup>3</sup>	Phrase	S PA=LEVER BROTHERS COMPANY.
PY=	PY	Publication Year	Phrase	S PN=US 4554930
SF=	SF	Subfile	Phrase	S PY=1990
SO=	SO	Source (Journal Name) <sup>8</sup>	Word	S SF=BA
UD=	—	Update <sup>9</sup>	Phrase	S SO=(APPL(W)MICROBIOL)
				S UD=9012

<sup>3</sup>1986-1989 only.

<sup>4</sup>Use CO= for comprehensive Journal Name searching.

<sup>5</sup>In BA records since January 1978; in BA/RRM records since January 1980.

<sup>6</sup>JN displays the full journal name, when available.

<sup>7</sup>Also searchable using CS=.

<sup>8</sup>Display includes Journal Name, Volume, Issue, Publication Year, and Pagination (for Patent Records from 1986-1989, includes Patent Number).

Use SO= to search on abbreviated title only.

<sup>9</sup>Not available in File 205.

## LIMITING

Sets and terms may be limited by Basic Index suffixes, i.e., /AB, /DE, /KW, /TI (e.g., S S5/DE), as well as by the following features:		
SUFFIX	FIELD NAME	EXAMPLES
None	DIALOG Accession Number	S S5/0019000001-9999999999
None	Publication Year	S S2/1987
/BA	Biological Abstracts Records	S S2/BA
/BARRM	BA/RRM or Biol Records	S S3/BARRM
/ENG	English Language <sup>5</sup>	S S3/ENG
/FW	Full Chemical Name <sup>10</sup>	S NITROPHENOL/FW
/HUMAN	Human Subject	S S4/HUMAN
/MAJ	Major Concept Code	S CC=51522/MAJ
/NEW	New Taxa	S BC=15300/NEW

<sup>10</sup>File 55 only.

## SORTING

SORTABLE FIELDS	EXAMPLES
Online (SORT) and offline (PRINT <sup>9</sup> ) AN, AU, CS, JN, PY, TI	SORT S3/ALL/PY,D PRINT S4/5/1-15/AU/TI

## MAPPING

MAP FIELDS	EXAMPLES
EC	MAP EC TEMP S2

# BIOSIS PREVIEWS®

## OUTPUT OPTIONS†

### USER-DEFINED FORMAT OPTIONS

User-defined formats may be specified using the display codes indicated in the Search Options tables, e.g., TYPE S3/TI,SO,AB/1-5.

### PREDEFINED FORMAT OPTIONS

NUMBER	RECORD CONTENT
Format 1	DIALOG Accession Number
Format 2	Full Record except Abstract
Format 3	Bibliographic Citation
Format 4	Full Record <sup>1</sup> with Tagged Fields
Format 5,9	Full Record <sup>1</sup>
Format 6	Title and DIALOG and BIOSIS Accession Numbers
Format 7	Bibliographic Citation and Abstract <sup>1</sup>
Format 8	Title and Indexing
Format 18	BIOSIS Accession Number, Title, and Keywords
Format K	KWIC (Key Word In Context) displays a window of text; may be used by itself or with other formats (HIGHLIGHT is also available)

### DIRECT RECORD ACCESS

FIELD NAME	EXAMPLES		
DIALOG Accession Number	TYPE 20932820/5	DISPLAY 16021347/AU,TI,SO	PRINT <sup>9</sup> 21071375/7

†TAG may be used for tagged fields, e.g., TYPE S3/AU,TI,SO/1-5 TAG.

# EXHIBIT 2C

Description of the EMBASE Database - DIALOG® File 73

# EMBASE (Excerpta Medica)

## ONTAP® EMBASE (File 272)

73  
20

### Information Retrieval Service

## FILE DESCRIPTION

EMBASE has long been recognized as an important, comprehensive index of the world's literature on human medicine and related disciplines. About 350,000 records are added annually, over 75% of which contain abstracts. Each record is classified and indexed by medical research specialists who assign terms and codes in accordance with a highly developed classification schedule and controlled vocabulary. In 1988, a new comprehensive hierarchical thesaurus incorporating the most frequently used EMTREE terms (about 35,000) was added for indexing the records, providing a "tree-like" structure for hierarchic access. Also new in 1988 were 15 drug-linking descriptors and 12 disease-linking descriptors to improve searching specificity by linking directly with drug or disease EMTREE descriptors. EMBASE consists of two files; File 73 contains records from June 1974 to the present, and File 72 contains records from 1985 to the present. ONTAP® EMBASE, File 272, is available for ONLINE Training And Practice.

The EMBASE database is used to produce 46 print abstract bulletins and two print drug literature bibliographies. All journal articles are added to the database within 30 days after receipt of the journal, and all records appear online with complete indexing.

## SUBJECT COVERAGE

Nearly every aspect of human medicine, including topics in the basic biological sciences with some relevance to human medicine, is covered. Nursing, dentistry, psychology, paramedical professions, podiatry, optometry, chiropractic, and homeopathy are covered selectively. An outstanding feature of EMBASE is its complete coverage of articles on drugs and potential drugs. Some of the specific areas covered are:

- Adverse Drug Reactions
- AIDS
- Anesthesiology
- Bacteriology
- Biochemistry
- Bioengineering
- Cancer
- Cardiovascular Disease
- Dermatology
- Developmental Biology
- Chest Diseases
- Drug Dependence
- Drugs
- Endocrinology
- Environmental Health
- Forensic Science
- Genetics
- Gene Technology
- Orthopedics
- Gerontology
- Geriatrics
- Gynecology
- Health Economics
- Hematology
- Hospital Management
- Immunology
- Industrial Medicine
- Infectious Disease
- Internal Medicine
- Microbiology
- Neurology
- Nuclear Medicine
- Obstetrics
- Occupational Health
- Ophthalmology
- Parasitology
- Pathology
- Pediatrics
- Pharmacology
- Physiology
- Physiotherapy
- Plastic Surgery
- Pollution Control
- Psychiatry
- Public Health
- Radiology
- Rehabilitation
- Surgery
- Toxicology
- Urology
- Virology

## SOURCES

EMBASE provides access to periodical articles from more than 2,900 primary journals from over 110 countries. An additional 600 journals are screened for drug articles.

## DIALOG FILE DATA

	File 73	File 72	File 272
EM Production Period (Inclusive Dates):	June 1974 to the present	1985 to the present	Selected records from 8 weeks of 1989
Update Frequency:	Weekly (about 12,000 records per update)	Weekly	Closed file
File Size:	3,973,000 records as of March 1991	1,296,259 records as of March 1991	Approximately 53,000 records

## ORIGIN

EMBASE is produced by Excerpta Medica. Questions concerning file content should be directed to:

Elsevier Science Publishers B.V.  
Excerpta Medica Publishing Group  
Database Marketing Department  
Molenwerf 1  
1014 AG Amsterdam  
The Netherlands  
Telephone: +31-020-5803-507  
Fax: +31-020-5803-439  
Telex: 18582 ESPANL  
Cable: ELS PUBCO  
DIALMAIL: HELP EMBASE

Manager, North American Database Department  
Elsevier Science Publishers  
52 Vanderbilt Avenue  
New York, NY 10017  
Telephone: 800/457-3633 in U.S., Hawaii, Alaska, Canada, Puerto Rico, Virgin Islands; or  
212/633-3971  
Fax: 212/633-3913  
DIALMAIL: EMBASE USA

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# EMBASE (Excerpta Medica)

## ONTAP® EMBASE (File 272)

### SAMPLE RECORD

DIALOG Accession Number

07818538 EMBASE No: 90248128 AN=

Comparing the antithrombotic effects of heparin, enoxaparin and prostacyclin during continuous haemofiltration  
COMPARAISON DES EFFETS ANTITHROMBOTIQUES DE L'HEPARINE, L'ENOXAPARINE ET LA PROSTACYCLINE AU COURS DE L'HEMOFILTRATION CONTINUE /TI

AU= Journois D.; Safran D.; Castelain M.H.; Chanu D. Drevillon C.; Barrier G.  
CS= Departement d'Anesthesie-Reanimation, Hopital Laennec, 42, Rue de Sevres, 75340 Paris Cedex 07 France CP=

JN=, SO= ANN. FR. ANESTH. REANIM. (France), 1990, 9/4 (331-337) CODEN: AFARE PY=

SN= ISSN: 0750-7658 CO=

LA= LANGUAGES: French SUMMARY LANGUAGES: English SL=

SF= SUBFILES: 024; 025

Continuous anticoagulation is required during haemofiltration to prevent the deposition of fibrin and the formation of thrombus which would lead to early clotting of the haemofilter. This study aimed to compare the efficiencies of 3 different anticoagulation protocol: 150 IU . kg<sup>-1</sup> . day<sup>-1</sup> heparin (group HEP), 1.2 mg . kg<sup>-1</sup> . day<sup>-1</sup> enoxaparin (group ENX), and a combination of 0.8 mg . kg<sup>-1</sup> . day<sup>-1</sup> enoxaparin with 5 ng . kg<sup>-1</sup> . min<sup>-1</sup> prostaglandin I<sub>2</sub> (group ENX and PGI<sub>2</sub>). A flat ANS69S (R) (Hospal) haemofilter was used for continuous venovenous haemofiltration. Antithrombotic efficiency was assessed with a haemofilter permeability Index (HPI) including the transmembrane pressure gradient and the rate of production of ultrafiltrate. The time required for HPI to decrease to 1/3 of its initial value (HPI(1/3)) was used to compare the 3 protocols. Treatment tolerance was judged by monitoring the usual haemodynamic and haemostatic parameters. No adverse effects (bleeding, thrombosis, hypotension) were observed. HPI(1/3) was 15.1 plus or minus 2.4 h, 18.3 plus or minus 3.1 h and 28.2 plus or minus 4.2 h in groups HEP, ENX and ENX and PGI<sub>2</sub> respectively. High dose enoxaparin reached antithrombotic efficiency without increasing the risk of haemorrhage. The use of low doses of prostaglandin I<sub>2</sub> greatly increased HPI(1/3), without any deleterious haemodynamic effects. However, the high cost of prostaglandin I<sub>2</sub> needs to be put in the balance with the increase in duration of haemofilter life. Therefore, further investigations are required to evaluate the possible synergy between heparin and prostaglandin I<sub>2</sub>, as well as the biological parameters which need to be monitored. /AB

/TN, TN= TRADE NAME/MANUFACTURER NAME: Iovenox/pharmuka; flolan/burroughs wellcome /MN, MN=

EMTAGS:

/GS= Blood and hemopoietic system 0927; Cardiovascular system 0920; Prevention 0165; Therapy 0160; Human 0888; Chemical procedures 0107; Intravenous drug administration 0182; Article 0060 TC=

DRUG DESCRIPTORS:

\*enoxaparin--pharmacology--pd; \*enoxaparin--drug therapy--dt; \*enoxaparin--drug dose--do; \*enoxaparin--drug comparison--cm; \*enoxaparin--drug combination--cb; \*heparin--pharmacology--pd; \*heparin--drug therapy--dt; \*heparin--drug comparison--cm; \*prostacyclin--pharmacology--pd; \*prostacyclin--drug therapy--dt; \*prostacyclin--drug dose--do; \*prostacyclin--drug comparison--cm; \*prostacyclin--drug combination--cb /DE, /DD

MEDICAL DESCRIPTORS:

\*hemofiltration; \*thrombosis--prevention--pc /DE, /DM

hemodynamics

ENCLAS DRUG CODES:

SF= 03729010000; 03741000000 SH=

CAS REGISTRY NO.: 9041-08-1; 8057-48-5; 8065-01-8; 9005-48-5; 9005-49-6; 37187-54-5; 35121-78-9 RN=



# SEARCH OPTIONS

## BASIC INDEX

SEARCH SUFFIX <sup>+</sup>	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
/AB	AB	Abstract <sup>1</sup>	Word	S ANTICOAGULATION(W)PROTOCOL?/AB
/DE	DE	Descriptors (All) <sup>2</sup>	Word & Phrase	S HEMOFILTRATION/DE
/DD, /DE	DE,DD	Descriptors (Drug) <sup>2,3</sup>	Word & Phrase	S LIVER, MICROsome/DE
/DM, /DE	DE,DM	Descriptors (Medical) <sup>2,3</sup>	Word & Phrase	S ENOXAPARIN/DD
/GS	GS	EMTAGS	Word & Phrase	S ENOXAPARIN(L)DRUG THERAPY/DE
/ID	ID	Identifier <sup>4,5</sup>	Word & Phrase	S ENOXAPARIN(L)DT/DE
/MN	MN	Name of Drug Manufacturer	Word & Phrase	S HEMOFILTRATION/DM
/SH	SH	EMCLAS Section Headings <sup>6</sup>	Word & Phrase	S LIVER MICROsome/DM
/TI	TI	Title	Word	S CARDIOVASCULAR(W)SYSTEM/GS
/TN	TN	Drug Trade Names	Word & Phrase	S CHEMICAL PROCEDURES/GS
				S SKF(W)104524/ID
				S POLYMERASE CHAIN REACTION/ID
				S BURROUGHS(W)WELLCOME/MN
				S BURROUGHS WELLCOME/MN
				S CARDIAC(W)GLYCOSIDES/SH
				S INTERNAL MEDICINE/SH
				S CONTINUOUS(W)HAEMOFILTRATION/TI
				S LOVENOX/TN
				S PEPTO BISMOL/TN

<sup>+</sup>If no suffix is specified all Basic Index fields are searched.

<sup>1</sup>Abstracts included for approximately 75% of the records.

<sup>2</sup>Also /DF.

<sup>3</sup>Present beginning in 1988.

<sup>4</sup>Also /IF.

<sup>5</sup>Prior to 1988, the Identifier field contains 'natural language' indexing terms; from 1988 forward, identifiers consist of EMTREE 'candidate terms.'

<sup>6</sup>EMCLAS Section Headings ceased at the end of 1987 except for Sections 037 and 038, which ceased at the end of 1990.

## ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AN=	AN	EMBASE ID Number	Phrase	S AN=90248128
—	AN	DIALOG Accession Number		
AU=	AU	Author	Phrase	S AU=JOURNOIS D.
BN=	BN	International Standard Book Number (ISBN) <sup>7</sup>	Phrase	S BN=0444810781
CD=	CD	Conference Date <sup>8</sup>	Word	S CD=(JAN(W)90)
CL=	CL	Conference Location <sup>8</sup>	Word	S CL=BUDAPEST
CO=	CO	CODEN	Phrase	S CO=AFARE
CP=	CP	Country of Publication	Phrase	S CP=FRANCE
CS=	CS	Corporate Source	Word	S CS=(HOPITAL(W)LAENNEC)
CT=	CT	Conference Title <sup>8</sup>	Word	S CT=(SYMPOSIUM(1W)DIABETES(W)MELLITUS)
DC=	DC	Descriptor Code <sup>9</sup>	Phrase	S DC=E2.530.400.
DT=	DT	Document Type <sup>8</sup>	Phrase	S DT=CONFERENCE PAPER
—	FN	File Name		
JN=	JN	Journal Name <sup>10</sup>	Phrase	S JN=ANN. FR. ANESTH. REANIM.
LA=	LA	Language	Phrase	S LA=FRENCH
MN=	MN	Drug Manufacturer's Name	Word & Phrase	S MN=PHARMUKA
			Word & Phrase	S MN=BURROUGHS WELLCOME
PU=	PU	Publisher <sup>7</sup>	Word & Phrase	S PU=(UNESCO(W)PARIS)
			Word & Phrase	S PU=ICD REHABIL?
PY=	PY	Publication Year	Phrase	S PY=1990
RN=	RN	CAS Registry Number <sup>3</sup>	Phrase	S RN=9041-08-1
SE=	SE	Series	Word	S SE=(ACTA(W)BIOMED)
SF=	SF	Subfile	Phrase	S SF=037
SH=	SH	Section Heading Code <sup>6</sup>	Phrase	S SH=03729010000
SL=	SL	Summary Language	Phrase	S SL=ENGLISH
SN=	SN	International Standard Serial Number (ISSN) <sup>3</sup>	Phrase	S SN=0750-7658
SO=	SO <sup>11</sup>	Source Information <sup>10</sup>	Word	S SO=(ANN(W)FR(W)ANESTH(W)REANIM)
TC=	TC	EMTAG Code	Phrase	S TC=0927
TN=	TN	Trade Name	Word & Phrase	S TN=LOVENOX
			Word & Phrase	S TN=PEPTO BISMOL
UD=	—	Update <sup>12</sup>	Phrase	S UD=9050

<sup>7</sup>Present only from July 1977 through 1980 for books; beginning in 1989 used for conference proceedings.

<sup>8</sup>Present only for conference papers (Elsevier International Conference Series only)

<sup>9</sup>Old format (7-digit number) ceases after 1987; beginning 1988 replaced by EMTREE hierarchical tree number-style codes.

<sup>10</sup>Journal name may be searched using either JN= or SO=.

<sup>11</sup>Display includes Journal Name, Volume, Issue, Pagination, and Publication Date.

<sup>12</sup>Not available in File 272.

# EMBASE (Excerpta Medica)

## ONTAP® EMBASE (File 272)

### LIMITING

Sets and terms may be limited by Basic Index suffixes, i.e., /AB, /DD, /DE, /DF, /DM, /GS, /ID, /IF, /MN, /SH, /TI, /TN (e.g., S S5/DE), as well as by the following features:

SUFFIX	FIELD NAME	EXAMPLES
None	DIALOG Accession Number	S S3/7555188-99999999
None	Publication Year	S S2/1990
/ABS	Abstract Present <sup>1</sup>	S S3/ABS
/NOABS	No abstract Present	S S2/NOABS
/ENG	English Language	S S4/ENG
/NONENG	Non-English Language	S S3/NONENG
/HUMAN	Human Subject	S S2/HUMAN
/NONH	Non-Human Subject	S S5/NONH
/MAJ	Major Descriptor	S S3/MAJ

### SORTING

SORTABLE FIELDS	EXAMPLES
Online (SORT) and offline (PRINT <sup>12</sup> ) AU, CS, JN, PY, TI	SORT S13/ALL/AU/CS PRINT S5/51-24/JN

### MAPPING

MAP FIELDS	EXAMPLES
RN	MAP RN TEMP S2

### OUTPUT OPTIONS†

#### USER-DEFINED FORMAT OPTIONS

User-defined formats may be specified using the display codes indicated in the Search Options tables, e.g., TYPE S3/AU,TI,SO/1-5.

#### PREDEFINED FORMAT OPTIONS

NUMBER	RECORD CONTENT
Format 1	DIALOG Accession Number
Format 2	Full Record except Abstract
Format 3	Bibliographic Citation
Format 4	Full Record <sup>1</sup> with Tagged Fields
Format 5, 9	Full Record <sup>1</sup>
Format 6	Title
Format 7	Bibliographic Citation and Abstract <sup>1</sup>
Format 8	Title and Indexing
Format K	KWIC (Key Word In Context) displays a window of text; may be used by itself or with other formats (HIGHLIGHT is also available)

#### DIRECT RECORD ACCESS

FIELD NAME	EXAMPLES		
DIALOG Accession Number	TYPE 07818538/5	DISPLAY 05408879/AU,TI	PRINT <sup>12</sup> 07542581/5

†TAG may be used for tagged fields, e.g., TYPE S2/TI,DM/1-3 TAG.

# EXHIBIT 2D

Listing of Articles by E. Konadu

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-1996/Nov W1

(c) format only 1996 Knight-Ridder Info

\*File 155: Type HELP NEWS 155 for 1996 reload information

\*\*\* MEDLINE updates delayed. See HELP DELAY 155.

File 5:BIOSIS PREVIEWS(R) 1969-1996/Sep W2

(c) 1996 BIOSIS

File 73:EMBASE 1974-1996/Iss 36

(c) 1996 Elsevier Science B.V.

Set	Items	Description
---	-----	-----
? s au= konadu e?		and vaccin?
	10	AU=KONADU E?
	258992	VACCIN?
S1	9	AU= KONADU E? AND VACCIN?
? rd s1		
...completed		examining records
S2	5	RD S1 (unique items)
? t 2/3/all		

2/3/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09773184 96294784

Synthesis, characterization, and immunological properties in mice of conjugates composed of detoxified lipopolysaccharide of Salmonella paratyphi A bound to tetanus toxoid with emphasis on the role of O acetyls.

Konadu E; Shiloach J; Bryla DA; Robbins JB; Szu SC

National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.

Infect Immun (UNITED STATES) Jul 1996, 64 (7) p2709-15, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

2/3/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082725 95012725

Preparation, characterization, and immunological properties in mice of Escherichia coli O157 O-specific polysaccharide-protein conjugate vaccines.

Konadu E; Robbins JB; Shiloach J; Bryla DA; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Nov 1994, 62 (11) p5048-54, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

2/3/3 (Item 1 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216083 BIOSIS Number: 98816083

Evaluation of Escherichia coli O157 O-specific polysaccharide Pseudomonas aeruginosa recombinant exoprotein A (rEPA) conjugates

Konadu E; Parke J C Jr; Robbins J B; Szu S C; Shiloach J

NICHD, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology 96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104552

2/3/4 (Item 2 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216082 BIOSIS Number: 98816082

Preparation, characterization and immunogenicity in mice of Salmonella paratyphi A O-specific polysaccharide-tetanus toxoid conjugates: Role of O-acetyls

Szu S C; Robbins J B; Shiloach J; Konadu E

NICHD, NIDDK, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology 96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104551

2/3/5 (Item 3 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

10241114 BIOSIS Number: 45041114

PREPARATION CHARACTERIZATION AND IMMUNOGENICITY OF CONJUGATES COMPOSED OF THE O-SPECIFIC POLYSACCHARIDE OF ESCHERICHIA-COLI O157 BOUND TO CARRIER PROTEINS

KONADU E Y; SZU S C; ROBBINS J B

NATIONAL INST. CHILD HEALTH AND HUMAN DEV., NIH, BETHESDA, MD.

93RD GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, ATLANTA, GEORGIA, USA, MAY 16-20, 1993. ABSTR GEN MEET AM SOC MICROBIOL 93 (0).

1993. 157. CODEN: AGMME

Language: ENGLISH

Document Type: CONFERENCE PAPER

# EXHIBIT 2E

Listing of Articles by J. Shiloach

228 AU=SHILOACH J?  
 258992 VACCIN?  
 S3 45 AU= SHILOACH J? AND VACCIN?  
 ? rd s3  
 ...completed examining records  
 S4 24 RD S3 (unique items)  
 ? t 4/3/all

4/3/1 (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09773184 96294784  
 Synthesis, characterization, and immunological properties in mice of conjugates composed of detoxified lipopolysaccharide of Salmonella paratyphi A bound to tetanus toxoid with emphasis on the role of O acetyls. Konadu E; Shiloach J; Bryla DA; Robbins JB; Szu SC  
 National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.  
 Infect Immun (UNITED STATES) Jul 1996, 64 (7) p2709-15, ISSN 0019-9567 Journal Code: G07  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

4/3/2 (Item 2 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09728541 96250141  
 Production of a malaria transmission-blocking protein from recombinant yeast.  
 Wang MY; Kaslow DC; Shiloach J  
 Biotechnology Unit NIDDK, National Institutes of Health, Bethesda, Maryland 20892, USA.  
 Ann N Y Acad Sci (UNITED STATES) May 15 1996, 782 p123-32, ISSN 0077-8923 Journal Code: 5NM  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

4/3/3 (Item 3 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09437540 95367540  
 Identification of the peptide binding motif for HLA-B44, one of the most common HLA-B alleles in the Caucasian population.  
 DiBrino M; Parker KC; Margulies DH; Shiloach J; Turner RV; Biddison WE; Coligan JE  
 Laboratory of Molecular Structure, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland 20892, USA.  
 Biochemistry (UNITED STATES) Aug 15 1995, 34 (32) p10130-8, ISSN 0006-2960 Journal Code: A0G  
 Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082725 95012725

Preparation, characterization, and immunological properties in mice of Escherichia coli O157 O-specific polysaccharide-protein conjugate vaccines.

Konadu E; Robbins JB; Shiloach J; Bryla DA; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Nov 1994, 62 (11) p5048-54, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082634 95012634

Laboratory and preliminary clinical characterization of Vi capsular polysaccharide-protein conjugate vaccines.

Szu SC; Taylor DN; Trofa AC; Clements JD; Shiloach J; Sadoff JC; Bryla DA; Robbins JB

National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Oct 1994, 62 (10) p4440-4, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/6 (Item 6 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08920214 94235214

Production, purification and immunogenicity of a malaria transmission-blocking vaccine candidate: TBV25H expressed in yeast and purified using nickel-NTA agarose.

Kaslow DC; Shiloach J

Molecular Vaccine Section, National Institute of Allergy and Infectious Diseases, Bethesda, MD 20892.

Biotechnology (N Y) (UNITED STATES) May 1994, 12 (5) p494-9, ISSN 0733-222X Journal Code: AL1

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/7 (Item 7 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.



08656424 93366424

Synthesis, characterization, and clinical evaluation of conjugate vaccines composed of the O-specific polysaccharides of *Shigella dysenteriae* type 1, *Shigella flexneri* type 2a, and *Shigella sonnei* (*Plesiomonas shigelloides*) bound to bacterial toxoids.

Taylor DN; Trofa AC; Sadoff J; Chu C; Bryla D; Shiloach J; Cohen D; Ashkenazi S; Lerman Y; Egan W; et al

Division of Communicable Diseases and Immunology, Walter Reed Army Institute of Research, Washington, D.C. 20307-5100.

Infect Immun (UNITED STATES) Sep 1993, 61 (9) p3678-87, ISSN 0019-9567 Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/8 (Item 8 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08452790 93162790

Laboratory and clinical evaluation of conjugate vaccines composed of *Staphylococcus aureus* type 5 and type 8 capsular polysaccharides bound to *Pseudomonas aeruginosa* recombinant exoprotein A.

Fattom A; Schneerson R; Watson DC; Karakawa WW; Fitzgerald D; Pastan I; Li X; Shiloach J; Bryla DA; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Cancer Institute, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Mar 1993, 61 (3) p1023-32, ISSN 0019-9567 Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07902138 92040138

Preparation, characterization, and immunogenicity of conjugates composed of the O-specific polysaccharide of *Shigella dysenteriae* type 1 (*Shiga's bacillus*) bound to tetanus toxoid.

Chu CY; Liu BK; Watson D; Szu SS; Bryla D; Shiloach J; Schneerson R; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1991, 59 (12) p4450-8, ISSN 0019-9567 Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/10 (Item 10 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07578751 91097751

Production of cholera toxin subunit B by a mutant strain of *Vibrio cholerae*.

van de Walle M; Fass R; Shiloach J

Biotechnology Unit, LCDB, NIDDK, NIH, Bethesda, MD 20892.

Appl Microbiol Biotechnol (GERMANY) Jul 1990, 33 (4) p389-94, ISSN

0175-7598 Journal Code: AMC

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/11 (Item 11 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400247 90307247

Synthesis and immunologic properties in mice of vaccines composed of *Staphylococcus aureus* type 5 and type 8 capsular polysaccharides conjugated to *Pseudomonas aeruginosa* exotoxin A.

Fattom A; Schneerson R; Szu SC; Vann WF; Shiloach J; Karakawa WW; Robbins JB

National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2367-74, ISSN

0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/12 (Item 12 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06734545 89036545

Clinical, metabolic, and antibody responses of adult volunteers to an investigational vaccine composed of pertussis toxin inactivated by hydrogen peroxide.

Sekura RD; Zhang YL; Roberson R; Acton B; Trollfors B; Tolson N; Shiloach J; Bryla D; Muir-Nash J; Koeller D; et al

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

J Pediatr (UNITED STATES) Nov 1988, 113 (5) p806-13, ISSN 0022-3476

Journal Code: JLZ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

4/3/13 (Item 13 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05363826 84287826

Serum antibody responses of juvenile and infant rhesus monkeys injected with *Haemophilus influenzae* type b and *pneumococcus* type 6A capsular polysaccharide-protein conjugates.

Schneerson R; Robbins JB; Chu C; Sutton A; Vann W; Vickers JC; London WT;  
Curfman B; Hardegree MC; Shiloach J; et al  
Infect Immun (UNITED STATES) Sep 1984, 45 (3) p582-91, ISSN 0019-9567  
Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

4/3/14 (Item 1 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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12216083 BIOSIS Number: 98816083  
Evaluation of Escherichia coli O157 O-specific polysaccharide Pseudomonas  
aeruginosa recombinant exoprotein A (rEPA) conjugates  
Konadu E; Parke J C Jr; Robbins J B; Szu S C; Shiloach J  
NICHD, NIH, Bethesda, MD, USA  
Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.  
Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of  
the General Meeting of the American Society for Microbiology  
ISSN: 1060-2011  
Language: ENGLISH  
Document Type: CONFERENCE PAPER  
Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104552

4/3/15 (Item 2 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12216082 BIOSIS Number: 98816082  
Preparation, characterization and immunogenicity in mice of Salmonella  
paratyphi A O-specific polysaccharide-tetanus toxoid conjugates: Role of  
O-acetyls  
Szu S C; Robbins J B; Shiloach J; Konadu E  
NICHD, NIDDK, NIH, Bethesda, MD, USA  
Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.  
Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of  
the General Meeting of the American Society for Microbiology  
ISSN: 1060-2011  
Language: ENGLISH  
Document Type: CONFERENCE PAPER  
Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104551

4/3/16 (Item 3 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12144087 BIOSIS Number: 98744087  
Safety and immunogenicity of Staphylococcus aureus type 5 capsular  
polysaccharide-Pseudomonas aeruginosa recombinant exoprotein A conjugate

vaccine in patients on hemodialysis

Welch P G; Fattom A; Moore J Jr; Schneerson R; Shiloach J; Bryla D A; Li X; Robbins J B

National Inst. Health, Public Health Service, Building 6, Room 424,  
National Inst. Child Health Human Dev., Bethesda, MD 20892, USA

Journal of the American Society of Nephrology 7 (2). 1996. 247-253.

Full Journal Title: Journal of the American Society of Nephrology

ISSN: 1046-6673

Language: ENGLISH

Print Number: Biological Abstracts Vol. 101 Iss. 009 Ref. 128362

4/3/17 (Item 4 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

11424861 BIOSIS Number: 98024861

Evaluation in humans of Staphylococcus aureus types 5 and 8 capsular polysaccharide conjugate vaccines injected concurrently into separate arms

Fattom A; Li X; Shepherd S E; Shiloach J; Robbins J; Schneerson R

Univax Biol. Inc., Rockville, MD, USA

Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy 34 (0). 1994. 25.

Full Journal Title: 34th Interscience Conference on Antimicrobial Agents and Chemotherapy, Orlando, Florida, USA, October 4-7, 1994. Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy

ISSN: \*\*\*\*\*

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 047 Iss. 001 Ref. 012367

4/3/18 (Item 5 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

11239802 BIOSIS Number: 97439802

Conjugate vaccines against Staphylococcus aureus types 5 and 8 capsular polysaccharides

Fattom A; Welch P; Shiloach J; Robbins J; Schneerson R

Univax Biol. Inc., Rockville, MD, USA

Program and Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy 33 (0). 1993. 263.

Full Journal Title: 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, Louisiana, USA, October 17-20, 1993.

Program and Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy

ISSN: 0733-6373

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 046 Iss. 010 Ref. 164566

4/3/19 (Item 6 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

10240559 BIOSIS Number: 45040559

ISOLATION AND CHARACTERIZATION OF TYPE-SPECIFIC POLYSACCHARIDE FROM STAPHYLOCOCCUS-EPIDERMIDIS

SHEPHERD S E; MISHRA A; SHILOACH J; KARAKAWA W W; FATTOM A  
UNIVAX BIOLOGICS, ROCKVILLE, MD, USA.

93RD GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, ATLANTA, GEORGIA, USA, MAY 16-20, 1993. ABSTR GEN MEET AM SOC MICROBIOL 93 (0). 1993. 58. CODEN: AGMME

Language: ENGLISH

Document Type: CONFERENCE PAPER

4/3/20 (Item 7 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

7549335 BIOSIS Number: 39061942

OPTIMIZATION OF THE PRODUCTION OF CHOLERA TOXIN B SUBUNIT FROM VIBRIO-CHOLERA

VAN DE WALLE M; SHILOACH J

BIOTECHNOL. UNIT, LCDB, NIDDK, NATL. INST. HEALTH, BUILD. 6, ROOM B1-33, BETHESDA, MD. 20892.

90TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY 1990, ANAHEIM, CALIFORNIA, USA, MAY 13-17, 1990. ABSTR ANNU MEET AM SOC MICROBIOL 90 (0). 1990. 264. CODEN: ASMAC

Language: ENGLISH

Document Type: CONFERENCE PAPER

4/3/21 (Item 8 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

7442554 BIOSIS Number: 89093573

SYNTHESIS AND IMMUNOLOGICAL PROPERTIES OF CONJUGATES COMPOSED OF GROUP B STREPTOCOCCUS TYPE III CAPSULAR POLYSACCHARIDE COVALENTLY BOUND TO TETANUS TOXOID

LAGERGARD T; SHILOACH J; ROBBINS J B; SCHNEERSON R  
DEP. MED. MICROBIOL., UNIV. GOTEBOG, GOTEBOG, SWED.

INFECT IMMUN 58 (3). 1990. 687-694. CODEN: INFIB

Full Journal Title: Infection and Immunity

Language: ENGLISH

4/3/22 (Item 9 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

6570496 BIOSIS Number: 86037047

LARGE SCALE CULTIVATION OF BORDETELLA-PERTUSSIS IN SUBMERGED CULTURE FOR PRODUCTION OF PERTUSSIS TOXIN

ANDORN N; ZHANG Y-L; SEKURA R D; SHILOACH J

NIH/NIDDK/LCDB, BUILD. 6, ROOM B1-31, BETHESDA, MD. 20892, USA.

APPL MICROBIOL BIOTECHNOL 28 (4-5). 1988. 356-360. CODEN: AMBID

Full Journal Title: Applied Microbiology and Biotechnology

Language: ENGLISH

4/3/23 (Item 10 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

5379025 BIOSIS Number: 82023828

QUANTITATIVE AND QUALITATIVE ANALYSES OF SERUM ANTIBODIES ELICITED IN  
ADULTS BY HAEMOPHILUS-INFLUENZAE TYPE B AND PNEUMOCOCCUS TYPE 6A CAPSULAR  
POLYSACCHARIDE-TETANUS TOXOID CONJUGATES

SCHNEERSON R; ROBBINS J B; PARKE J C JR; BELL C; SCHLESSELMAN J J; SUTTON  
A; WANG Z; SCHIFFMAN G; KARPAS A; SHILOACH J

LABORATORY OF DEVELOPMENT AND MOLECULAR IMMUNITY, NATIONAL INSTITUTE OF  
CHILD HEALTH AND HUMAN DEVELOPMENT, BETHESDA, MARYLAND 20892.

INFECT IMMUN 52 (2). 1986. 519-528. CODEN: INFIB

Full Journal Title: Infection and Immunity

Language: ENGLISH

4/3/24 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

6030554 EMBASE No: 86025614

Insulin-related material in microbes: Similarities and differences from  
mammalian insulins

LeRoith D.; Shiloach J.; Heffron R.; et al.

Diabetes Branch, National Institute of Arthritis, Diabetes, Digestive and  
Kidney Diseases, Bethesda, MD 20205 USA

CAN. J. BIOCHEM. CELL BIOL. (CANADA), 1985, 63/8 (839-849) CODEN: CJBBD

LANGUAGES: ENGLISH SUMMARY LANGUAGES: FRENCH

# EXHIBIT 2F

Listing of Articles by D. Bryla

? s au= bryla d? and vaccin?  
 107 AU=BRYLA D?  
 258992 VACCIN?  
 S5 63 AU= BRYLA D? AND VACCIN?  
 ? rd s5  
 ...examined 50 records (50)  
 ...completed examining records  
 S6 24 RD S5 (unique items)  
 ? t 6/3/all

6/3/1 (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09773184 96294784  
 Synthesis, characterization, and immunological properties in mice of  
 conjugates composed of detoxified lipopolysaccharide of Salmonella  
 paratyphi A bound to tetanus toxoid with emphasis on the role of O acetyls.  
 Konadu E; Shiloach J; Bryla DA; Robbins JB; Szu SC  
 National Institute of Child Health and Human Development, National  
 Institutes of Health, Bethesda, Maryland 20892, USA.  
 Infect Immun (UNITED STATES) Jul 1996, 64 (7) p2709-15, ISSN  
 0019-9567 Journal Code: G07  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

6/3/2 (Item 2 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09421631 95351631  
 Prevention of systemic infections caused by group B streptococcus and  
 Staphylococcus aureus by multivalent polysaccharide-protein conjugate  
 vaccines.  
 Robbins JB; Schneerson R; Vann WF; Bryla DA; Fattom A  
 National Institute of Child Health and Human Development, National  
 Institutes of Health, Bethesda, Maryland 20892, USA.  
 Ann N Y Acad Sci (UNITED STATES) May 31 1995, 754 p68-82, ISSN  
 0077-8923 Journal Code: 5NM  
 Languages: ENGLISH  
 Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED  
 TRIAL; REVIEW; REVIEW, ACADEMIC

6/3/3 (Item 3 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09417786 95347786  
 Comparative immunogenicity of conjugates composed of Escherichia coli  
 O111 O-specific polysaccharide, prepared by treatment with acetic acid or  
 hydrazine, bound to tetanus toxoid by two synthetic schemes.  
 Gupta RK; Egan W; Bryla DA; Robbins JB; Szu SC  
 National Institute of Child Health and Human Development, National  
 Institutes of Health, Bethesda, Maryland 20892, USA.



Infect Immun (UNITED STATES) Aug 1995, 63 (8) p2805-10, ISSN  
0019-9567 Journal Code: G07  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/4 (Item 4 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082725 95012725  
Preparation, characterization, and immunological properties in mice of  
Escherichia coli O157 O-specific polysaccharide-protein conjugate vaccines.  
Konadu E; Robbins JB; Shiloach J; Bryla DA; Szu SC  
Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Nov 1994, 62 (11) p5048-54, ISSN  
0019-9567 Journal Code: G07  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/5 (Item 5 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082634 95012634  
Laboratory and preliminary clinical characterization of Vi capsular  
polysaccharide-protein conjugate vaccines.  
Szu SC; Taylor DN; Trofa AC; Clements JD; Shiloach J; Sadoff JC; Bryla DA  
; Robbins JB  
National Institute of Child Health and Human Development, Bethesda,  
Maryland 20892.  
Infect Immun (UNITED STATES) Oct 1994, 62 (10) p4440-4, ISSN  
0019-9567 Journal Code: G07  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/6 (Item 6 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09046411 94361411  
Immunogenicity of two types of Shigella flexneri 2a O-specific  
polysaccharide-tetanus toxoid conjugates.  
Polotsky VY; Schneerson R; Bryla D; Robbins JB  
National Institute of Child Health and Human Development, National  
Institutes of Health, Bethesda, Maryland 20892.  
Ann N Y Acad Sci (UNITED STATES) Aug 15 1994, 730 p359-60, ISSN  
0077-8923 Journal Code: 5NM  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/7 (Item 7 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08771103 94086103

Comparison of conjugates composed of lipopolysaccharide from *Shigella flexneri* type 2a detoxified by two methods and bound to tetanus toxoid.

Polotsky VY; Robbins JB; Bryla D; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jan 1994, 62 (1) p210-4, ISSN 0019-9567

Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/8 (Item 8 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08656424 93366424

Synthesis, characterization, and clinical evaluation of conjugate vaccines composed of the O-specific polysaccharides of *Shigella dysenteriae* type 1, *Shigella flexneri* type 2a, and *Shigella sonnei* (*Plesiomonas shigelloides*) bound to bacterial toxoids.

Taylor DN; Trofa AC; Sadoff J; Chu C; Bryla D; Shiloach J; Cohen D; Ashkenazi S; Lerman Y; Egan W; et al

Division of Communicable Diseases and Immunology, Walter Reed Army Institute of Research, Washington, D.C. 20307-5100.

Infect Immun (UNITED STATES) Sep 1993, 61 (9) p3678-87, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08452790 93162790

Laboratory and clinical evaluation of conjugate vaccines composed of *Staphylococcus aureus* type 5 and type 8 capsular polysaccharides bound to *Pseudomonas aeruginosa* recombinant exoprotein A.

Fattom A; Schneerson R; Watson DC; Karakawa WW; Fitzgerald D; Pastan I; Li X; Shiloach J; Bryla DA; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Cancer Institute, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Mar 1993, 61 (3) p1023-32, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/10 (Item 10 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08225544 \ 92363544

Synthesis of a conjugate vaccine composed of pneumococcus type 14 capsular polysaccharide bound to pertussis toxin [published erratum appears in Infect Immun 1992 Oct;60(10):4443]

Schneerson R; Levi L; Robbins JB; Bryla DM; Schiffman G; Lagergard T  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Sep 1992, 60 (9) p3528-32, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/11 (Item 11 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07902138 92040138

Preparation, characterization, and immunogenicity of conjugates composed of the O-specific polysaccharide of Shigella dysenteriae type 1 (Shiga's bacillus) bound to tetanus toxoid.

Chu CY; Liu BK; Watson D; Szu SS; Bryla D; Shiloach J; Schneerson R; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1991, 59 (12) p4450-8, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/12 (Item 12 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07853985 91372985

Cryptococcus neoformans serotype A glucuronoxylomannan-protein conjugate vaccines: synthesis, characterization, and immunogenicity.

Devi SJ; Schneerson R; Egan W; Ulrich TJ; Bryla D; Robbins JB; Bennett JE  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Oct 1991, 59 (10) p3700-7, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/13 (Item 13 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07848570 91367570

Persistence of serum antibodies elicited by Haemophilus influenzae type b-tetanus toxoid conjugate vaccine in infants vaccinated at 3, 5 and 12

months of age.

Claesson BA; Schneerson R; Lagergard T; Trollfors B; Taranger J;  
Johansson J; Bryla D; Robbins JB

Department of Infectious Diseases, University of Goteborg, Sweden.

Pediatr Infect Dis J (UNITED STATES) Aug 1991, 10 (8) p560-4, ISSN  
0891-3668 Journal Code: OXJ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/14 (Item 14 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07613354 91132354

Clinical and immunologic responses to Haemophilus influenzae type  
b-tetanus toxoid conjugate vaccine in infants injected at 3, 5, 7, and 18  
months of age.

Parke JC Jr; Schneerson R; Reimer C; Black C; Welfare S; Bryla D; Levi L;  
Pavliakova D; Cramton T; Schulz D; et al

Department of Pediatrics, Carolinas Medical Center, Charlotte, NC  
28232-2861.

J Pediatr (UNITED STATES) Feb 1991, 118 (2) p184-90, ISSN 0022-3476

Journal Code: JLZ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/15 (Item 15 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400239 90307239

Serum antibody response in adult volunteers elicited by injection of  
Streptococcus pneumoniae type 12F polysaccharide alone or conjugated to  
diphtheria toxoid.

Fattom A; Lue C; Szu SC; Mestecky J; Schiffman G; Bryla D; Vann WF;  
Watson D; Kimzey LM; Robbins JB; et al

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2309-12, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED  
TRIAL

6/3/16 (Item 16 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07338472 90245472

Studies on Pneumococcus vaccine alone or mixed with DTP and on  
Pneumococcus type 6B and Haemophilus influenzae type b capsular  
polysaccharide-tetanus toxoid conjugates in two- to five-year-old children  
with sickle cell anemia [published erratum appears in Pediatr Infect Dis J

1990 May;9(5):308]

Sarnaik S; Kaplan J; Schiffman G; Bryla D; Robbins JB; Schneerson R  
Children's Hospital of Michigan, Detroit Medical Center 48201.

Pediatr Infect Dis J (UNITED STATES) Mar 1990, 9 (3) p181-6, ISSN  
0891-3668 Journal Code: OXJ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/17 (Item 17 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07128471 90035471

Comparative immunogenicities of Vi polysaccharide-protein conjugates  
composed of cholera toxin or its B subunit as a carrier bound to high- or  
lower-molecular-weight Vi.

Szu SC; Li XR; Schneerson R; Vickers JH; Bryla D; Robbins JB

Laboratory of Developmental and Molecular Immunity, Food and Drug  
Administration, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1989, 57 (12) p3823-7, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/18 (Item 18 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06778942 89080942

Protective levels of serum antibodies stimulated in infants by two  
injections of Haemophilus influenzae type b capsular polysaccharide-tetanus  
toxoid conjugate.

Claesson BA; Schneerson R; Robbins JB; Johansson J; Lagergard T; Taranger  
J; Bryla D; Levi L; Cramton T; Trollfors B

Department of Infectious Diseases, University of Gothenburg, Sweden.

J Pediatr (UNITED STATES) Jan 1989, 114 (1) p97-100, ISSN 0022-3476  
Journal Code: JLZ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

6/3/19 (Item 19 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06734545 89036545

Clinical, metabolic, and antibody responses of adult volunteers to an  
investigational vaccine composed of pertussis toxin inactivated by hydrogen  
peroxide.

Sekura RD; Zhang YL; Roberson R; Acton B; Trollfors B; Tolson N; Shiloach  
J; Bryla D; Muir-Nash J; Koeller D; et al

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.

J Pediatr (UNITED STATES) Nov 1988, 113 (5) p806-13, ISSN 0022-3476

Journal Code: JLZ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/20 (Item 20 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06669266 88314266  
Synthesis and physicochemical and immunological characterization of pneumococcus type 12F polysaccharide-diphtheria toxoid conjugates.  
Fattom A; Vann WF; Szu SC; Sutton A; Li X; Bryla D; Schiffman G; Robbins JB; Schneerson R  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Sep 1988, 56 (9) p2292-8, ISSN 0019-9567  
Journal Code: G07  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/21 (Item 21 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06554769 88199769  
Clinical and immunologic responses to the capsular polysaccharide of Haemophilus influenzae type b alone or conjugated to tetanus toxoid in 18- to 23-month-old children.  
Claesson BA; Trollfors B; Lagergard T; Taranger J; Bryla D; Otterman G; Cramton T; Yang Y; Reimer CB; Robbins JB; et al  
Department of Infectious Diseases, University of Goteborg, Sweden.  
J Pediatr (UNITED STATES) May 1988, 112 (5) p695-702, ISSN 0022-3476  
Journal Code: JLZ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

6/3/22 (Item 22 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06369056 88014056  
Prevention of typhoid fever in Nepal with the Vi capsular polysaccharide of Salmonella typhi. A preliminary report.  
Acharya IL; Lowe CU; Thapa R; Gurubacharya VL; Shrestha MB; Cadoz M; Schulz D; Armand J; Bryla DA; Trollfors B; et al  
Infectious Disease Hospital and Central Health Laboratory, Teku, Nepal.  
N Engl J Med (UNITED STATES) Oct 29 1987, 317 (18) p1101-4, ISSN 0028-4793  
Journal Code: NOW  
Languages: ENGLISH  
Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

6/3/23 (Item 1 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12144087 BIOSIS Number: 98744087

Safety and immunogenicity of Staphylococcus aureus type 5 capsular polysaccharide-Pseudomonas aeruginosa recombinant exoprotein A conjugate vaccine in patients on hemodialysis

Welch P G; Fattom A; Moore J Jr; Schneerson R; Shiloach J; Bryla D A; Li X; Robbins J B

National Inst. Health, Public Health Service, Building 6, Room 424, National Inst. Child Health Human Dev., Bethesda, MD 20892, USA

Journal of the American Society of Nephrology 7 (2). 1996. 247-253.

Full Journal Title: Journal of the American Society of Nephrology

ISSN: 1046-6673

Language: ENGLISH

Print Number: Biological Abstracts Vol. 101 Iss. 009 Ref. 128362

6/3/24 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
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8621367 EMBASE No: 92297543

Erratum: Synthesis of a conjugate vaccine composed of pneumococcus type 14 capsular polysaccharide bound to pertussis toxin (Infection and Immunity 60:9 (3530))

Schneerson R.; Levi L.; Robbins J.B.; Bryla D.M.; Schiffman G.; Lagergard T.

Developmental/Molec. Immunity Lab., NICHD, National Institutes of Health, Bethesda, MD 20892 USA

INFECT. IMMUN. (USA) , 1992, 60/10 (4443) CODEN: INFIB ISSN: 0019-9567

LANGUAGES: English

186 AU=ROBBINS JB  
 115 AU=ROBBINS J.B.  
 0 AU=ROBBINS J. B.  
 206 AU=ROBBINS J B  
 258992 VACCIN?

S7 248 (AU= ROBBINS JB OR AU= ROBBINS J.B. OR AU= ROBBINS J. B.  
 OR AU= ROBBINS J B) AND VACCIN?

? rd s7

...examined 50 records (50)  
 ...examined 50 records (100)  
 ...examined 50 records (150)  
 ...examined 50 records (200)  
 ...completed examining records  
 S8 151 RD S7 (unique items)

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? t 8/3/all

8/3/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09773184 96294784

Synthesis, characterization, and immunological properties in mice of conjugates composed of detoxified lipopolysaccharide of Salmonella paratyphi A bound to tetanus toxoid with emphasis on the role of O acetyls.

Konadu E; Shiloach J; Bryla DA; Robbins JB; Szu SC

National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.

Infect Immun (UNITED STATES) Jul 1996, 64 (7) p2709-15, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09508140 96029740

Characterization of a human monoclonal immunoglobulin M (IgM) antibody (IgMBEN) specific for Vi capsular polysaccharide of Salmonella typhi.

Liao J; Nickerson KG; Bystricky S; Robbins JB; Schneerson R; Szu SC; Kabat EA

Department of Microbiology and Neurology, College of Physicians and Surgeons, Columbia University, New York, New York 10032, USA.

Infect Immun (UNITED STATES) Nov 1995, 63 (11) p4429-32, ISSN 0019-9567 Journal Code: GO7

Contract/Grant No.: 5R01-AI-25616, AI, NIAID; 5R01-AI-27508, AI, NIAID; 5R01-AI19042, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/3 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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# EXHIBIT 2G

Listing of Articles by J. B. Robbins

09475432 95405432

A placebo-controlled trial of a pertussis-toxoid vaccine.

Trollfors B; Taranger J; Lagergard T; Lind L; Sundh V; Zackrisson G; Lowe CU; Blackwelder W; Robbins JB

Department of Pediatrics, Goteborg University, Sweden.

N Engl J Med (UNITED STATES) Oct 19 1995, 333 (16) p1045-50, ISSN 0028-4793 Journal Code: NOW

Contract/Grant No.: NO1-HD-9-2905, HD, NICHD

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

8/3/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09421631 95351631

Prevention of systemic infections caused by group B streptococcus and Staphylococcus aureus by multivalent polysaccharide-protein conjugate vaccines.

Robbins JB; Schneerson R; Vann WF; Bryla DA; Fattom A

National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.

Ann N Y Acad Sci (UNITED STATES) May 31 1995, 754 p68-82, ISSN 0077-8923 Journal Code: 5NM

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL; REVIEW; REVIEW, ACADEMIC

8/3/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09417786 95347786

Comparative immunogenicity of conjugates composed of Escherichia coli O111 O-specific polysaccharide, prepared by treatment with acetic acid or hydrazine, bound to tetanus toxoid by two synthetic schemes.

Gupta RK; Egan W; Bryla DA; Robbins JB; Szu SC

National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.

Infect Immun (UNITED STATES) Aug 1995, 63 (8) p2805-10, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/6 (Item 6 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09357027 95287027

Perspective: hypothesis: serum IgG antibody is sufficient to confer protection against infectious diseases by inactivating the inoculum.

Robbins JB; Schneerson R; Szu SC  
Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, National Institutes of Health,  
Bethesda, Bethesda, Maryland 20892, USA.  
J Infect Dis (UNITED STATES) Jun 1995, 171 (6) p1387-98, ISSN  
0022-1899 Journal Code: IH3  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/7 (Item 7 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09118792 95048792  
Synthesis and some immunologic properties of an O-acetyl pectin  
[poly(1-->4)-alpha-D-GalpA]-protein conjugate as a vaccine for typhoid  
fever.  
Szu SC; Bystricky S; Hinojosa-Ahumada M; Egan W; Robbins JB  
Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Food and Drug Administration, Bethesda,  
Maryland 20892.  
Infect Immun (UNITED STATES) Dec 1994, 62 (12) p5545-9, ISSN  
0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/8 (Item 8 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082725 95012725  
Preparation, characterization, and immunological properties in mice of  
Escherichia coli O157 O-specific polysaccharide-protein conjugate vaccines.  
Konadu E; Robbins JB; Shiloach J; Bryla DA; Szu SC  
Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Nov 1994, 62 (11) p5048-54, ISSN  
0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/9 (Item 9 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082634 95012634  
Laboratory and preliminary clinical characterization of Vi capsular  
polysaccharide-protein conjugate vaccines.  
Szu SC; Taylor DN; Trofa AC; Clements JD; Shiloach J; Sadoff JC; Bryla DA  
; Robbins JB  
National Institute of Child Health and Human Development, Bethesda,  
Maryland 20892.  
Infect Immun (UNITED STATES) Oct 1994, 62 (10) p4440-4, ISSN

0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/10 (Item 10 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09046411 94361411  
Immunogenicity of two types of Shigella flexneri 2a O-specific polysaccharide-tetanus toxoid conjugates.  
Polotsky VY; Schneerson R; Bryla D; Robbins JB  
National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892.  
Ann N Y Acad Sci (UNITED STATES) Aug 15 1994, 730 p359-60, ISSN 0077-8923 Journal Code: 5NM  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/11 (Item 11 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08909524 94224524  
Safety, immunogenicity and an open, retrospective study of efficacy of a monocomponent pertussis toxoid vaccine in infants.  
Isacson J; Trollfors B; Taranger J; MacDowall I; Johansson J; Lagergard T; Robbins JB  
Department of Pediatrics, University of Goteborg, Sweden.  
Pediatr Infect Dis J (UNITED STATES) Jan 1994, 13 (1) p22-7, ISSN 0891-3668 Journal Code: OXJ  
Contract/Grant No.: NO1-HD-2905, HD, NICHD  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/12 (Item 12 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08904160 94219160  
Clinical and serological responses following primary and booster immunization with Salmonella typhi Vi capsular polysaccharide vaccines.  
Keitel WA; Bond NL; Zahradnik JM; Cramton TA; Robbins JB  
Department of Microbiology and Immunology, Baylor College of Medicine, Houston, TX 77030-3498.  
Vaccine (ENGLAND) 1994, 12 (3) p195-9, ISSN 0264-410X  
Journal Code: X60  
Languages: ENGLISH  
Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

8/3/13 (Item 13 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08884888 94199888

Qualitative and quantitative analyses of the antibody response elicited by Haemophilus influenzae type b capsular polysaccharide-tetanus toxoid conjugates in adults with IgG subclass deficiencies and frequent infections.

Avanzini MA; Bjorkander J; Soderstrom R; Soderstrom T; Schneerson R; Robbins JB; Hanson LA

Department of Paediatrics, University of Pavia, Italy.

Clin Exp Immunol (ENGLAND) Apr 1994, 96 (1) p54-8, ISSN 0009-9104

Journal Code: DD7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/14 (Item 14 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08796881 94111881

Primum non nocere: a pharmacologically inert pertussis toxoid alone should be the next pertussis vaccine.

Robbins JB; Pittman M; Trollfors B; Lagergard TA; Taranger J; Schneerson R

National Institute of Child Health and Human Development, NIH, Bethesda, MD 20892.

Pediatr Infect Dis J (UNITED STATES) Oct 1993, 12 (10) p795-807,

ISSN 0891-3668 Journal Code: OXJ

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, ACADEMIC

8/3/15 (Item 15 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08771103 94086103

Comparison of conjugates composed of lipopolysaccharide from Shigella flexneri type 2a detoxified by two methods and bound to tetanus toxoid.

Polotsky VY; Robbins JB; Bryla D; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jan 1994, 62 (1) p210-4, ISSN 0019-9567

Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/16 (Item 16 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08452790 93162790

Laboratory and clinical evaluation of conjugate vaccines composed of

Staphylococcus aureus type 5 and type 8 capsular polysaccharides bound to Pseudomonas aeruginosa recombinant exoprotein A.

Fattom A; Schneerson R; Watson DC; Karakawa WW; Fitzgerald D; Pastan I; Li X; Shiloach J; Bryla DA; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Cancer Institute, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Mar 1993, 61 (3) p1023-32, ISSN 0019-9567 Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/17 (Item 17 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08304185 93014185

Protection of mice against Salmonella typhimurium with an O-specific polysaccharide-protein conjugate vaccine.

Watson DC; Robbins JB; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Nov 1992, 60 (11) p4679-86, ISSN 0019-9567 Journal Code: G07

Contract/Grant No.: GM 12557, GM, NIGMS

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/18 (Item 18 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08254963 92392963

Hypothesis for vaccine development: protective immunity to enteric diseases caused by nontyphoidal salmonellae and shigellae may be conferred by serum IgG antibodies to the O-specific polysaccharide of their lipopolysaccharides.

Robbins JB; Chu C; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892.

Clin Infect Dis (UNITED STATES) Aug 1992, 15 (2) p346-61, ISSN 1058-4838 Journal Code: A4J

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, ACADEMIC

8/3/19 (Item 19 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08225544 92363544

Synthesis of a conjugate vaccine composed of pneumococcus type 14 capsular polysaccharide bound to pertussis toxin [published erratum appears

in Infect Immun 1992 Oct;60(10):4443]

Schneerson R; Levi L; Robbins JB; Bryla DM; Schiffman G; Lagergard T  
Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, National Institutes of Health,  
Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Sep 1992, 60 (9) p3528-32, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/20 (Item 20 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08209992 92347992

Synthesis, characterization, and some immunological properties of  
conjugates composed of the detoxified lipopolysaccharide of Vibrio cholerae  
01 serotype Inaba bound to cholera toxin.

Gupta RK; Szu SC; Finkelstein RA; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Aug 1992, 60 (8) p3201-8, ISSN 0019-9567  
Journal Code: GO7

Contract/Grant No.: AI 17312, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/21 (Item 21 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08122004 92260004

Antibodies elicited by a Cryptococcus neoformans-tetanus toxoid conjugate  
vaccine have the same specificity as those elicited in infection.

Casadevall A; Mukherjee J; Devi SJ; Schneerson R; Robbins JB; Scharff MD

Department of Cell Biology, Albert Einstein College of Medicine, Bronx,  
New York.

J Infect Dis (UNITED STATES) Jun 1992, 165 (6) p1086-93, ISSN  
0022-1899 Journal Code: IH3

Contract/Grant No.: CA-39838, CA, NCI; CA-13330, CA, NCI; AI-10702, AI,  
NIAID; +

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/22 (Item 22 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07999511 92137511

Immunologic evaluation of a pertussis toxoid vaccine.

Robbins JB; Trollfors B; Taranger J; Lagergard T; Zachrisson G; Isacson J

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, National Institutes of Health,

Bethesda, MD 20892.

Dev Biol Stand (SWITZERLAND) 1991, 73 p297-303, ISSN 0301-5149  
Journal Code: E7V  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/23 (Item 23 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07902138 92040138  
Preparation, characterization, and immunogenicity of conjugates composed of the O-specific polysaccharide of Shigella dysenteriae type 1 (Shiga's bacillus) bound to tetanus toxoid.  
Chu CY; Liu BK; Watson D; Szu SS; Bryla D; Shiloach J; Schneerson R; Robbins JB  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Dec 1991, 59 (12) p4450-8, ISSN 0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/24 (Item 24 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07853985 91372985  
Cryptococcus neoformans serotype A glucuronoxylomannan-protein conjugate vaccines: synthesis, characterization, and immunogenicity.  
Devi SJ; Schneerson R; Egan W; Ulrich TJ; Bryla D; Robbins JB; Bennett JE  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Oct 1991, 59 (10) p3700-7, ISSN 0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/25 (Item 25 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07848570 91367570  
Persistence of serum antibodies elicited by Haemophilus influenzae type b-tetanus toxoid conjugate vaccine in infants vaccinated at 3, 5 and 12 months of age.  
Claesson BA; Schneerson R; Lagergard T; Trollfors B; Taranger J; Johansson J; Bryla D; Robbins JB  
Department of Infectious Diseases, University of Goteborg, Sweden.  
Pediatr Infect Dis J (UNITED STATES) Aug 1991, 10 (8) p560-4, ISSN 0891-3668 Journal Code: OXJ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE



8/3/26 (Item 26 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07815428 91334428

Antibodies to poly[(2---8)-alpha-N-acetylneuraminic acid] and poly[(2---9)-alpha-N-acetylneuraminic acid] are elicited by immunization of mice with Escherichia coli K92 conjugates: potential vaccines for groups B and C meningococci and E. coli K1.

Devi SJ; Robbins JB; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892.

Proc Natl Acad Sci U S A (UNITED STATES) Aug 15 1991, 88 (16) p7175-9, ISSN 0027-8424 Journal Code: PV3

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/27 (Item 27 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07743367 91262367

O-specific side-chain toxin-protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases.

Robbins JB; Chu C; Watson DC; Szu SC; Daniels EM; Lowe CU; Schneerson R

National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland.

Rev Infect Dis (UNITED STATES) Mar-Apr 1991, 13 Suppl 4 pS362-5, ISSN 0162-0886 Journal Code: SXN

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/28 (Item 28 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07523849 91042849

Evaluating the Haemophilus influenzae type b conjugate vaccine PRP-D [editorial; comment]

Robbins JB; Schneerson R

N Engl J Med (UNITED STATES) Nov 15 1990, 323 (20) p1415-6, ISSN 0028-4793 Journal Code: NOW

Comment on N Engl J Med 1990 Nov 15;323(20):1381-7; Comment on: N Engl J Med 1990 Nov 15;323(20):1387-92; Comment on: N Engl J Med 1990 Nov 15;323(20):1393-401

Languages: ENGLISH

Document type: COMMENT; EDITORIAL

8/3/29 (Item 29 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07409679 90316679

Antibody-secreting peripheral blood lymphocytes induced by immunization with a conjugate consisting of Streptococcus pneumoniae type 12F polysaccharide and diphtheria toxoid.

Lue C; Prince SJ; Fattom A; Schneerson R; Robbins JB; Mestecky J  
Department of Microbiology, University of Alabama, Birmingham 35294.

Infect Immun (UNITED STATES) Aug 1990, 58 (8) p2547-54, ISSN  
0019-9567 Journal Code: GO7

Contract/Grant No.: AI 18745, AI, NIAID; AI 10854, AI, NIAID; DE 08228,  
DE, NIDR; +

Languages: ENGLISH

Document type: CLINICAL TRIAL; CONTROLLED CLINICAL TRIAL; JOURNAL ARTICLE

8/3/30 (Item 30 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400247 90307247

Synthesis and immunologic properties in mice of vaccines composed of Staphylococcus aureus type 5 and type 8 capsular polysaccharides conjugated to Pseudomonas aeruginosa exotoxin A.

Fattom A; Schneerson R; Szu SC; Vann WF; Shiloach J; Karakawa WW; Robbins  
JB

National Institute of Child Health and Human Development, Bethesda,  
Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2367-74, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/31 (Item 31 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400239 90307239

Serum antibody response in adult volunteers elicited by injection of Streptococcus pneumoniae type 12F polysaccharide alone or conjugated to diphtheria toxoid.

Fattom A; Lue C; Szu SC; Mestecky J; Schiffman G; Bryla D; Vann WF;  
Watson D; Kimzey LM; Robbins JB; et al

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2309-12, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED  
TRIAL

8/3/32 (Item 32 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07364024 90271024

Duration of serum antibodies elicited by Haemophilus influenzae type b capsular polysaccharide alone or conjugated to tetanus toxoid in 18- to 23-month-old children.

Claesson BA; Schneerson R; Trollfors B; Lagergard T; Taranger J; Robbins JB

Department of Infectious Diseases, University of Goteborg, Sweden.

J Pediatr (UNITED STATES) Jun 1990, 116 (6) p929-31, ISSN 0022-3476

Journal Code: JLZ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/33 (Item 33 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07338472 90245472

Studies on Pneumococcus vaccine alone or mixed with DTP and on Pneumococcus type 6B and Haemophilus influenzae type b capsular polysaccharide-tetanus toxoid conjugates in two- to five-year-old children with sickle cell anemia [published erratum appears in Pediatr Infect Dis J 1990 May;9(5):308]

Sarnaik S; Kaplan J; Schiffman G; Bryla D; Robbins JB; Schneerson R  
Children's Hospital of Michigan, Detroit Medical Center 48201.

Pediatr Infect Dis J (UNITED STATES) Mar 1990, 9 (3) p181-6, ISSN

0891-3668 Journal Code: OXJ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/34 (Item 34 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07310618 90217618

Polysaccharide-protein conjugates: a new generation of vaccines [see comments]

Robbins JB; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland.

J Infect Dis (UNITED STATES) May 1990, 161 (5) p821-32, ISSN

0022-1899 Journal Code: IH3

Comment in J Infect Dis 1990 Dec;162(6):1412

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, ACADEMIC

8/3/35 (Item 35 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07128471 90035471

Comparative immunogenicities of Vi polysaccharide-protein conjugates

composed of cholera toxin or its B subunit as a carrier bound to high- or lower-molecular-weight Vi.

Szu SC; Li XR; Schneerson R; Vickers JH; Bryla D; Robbins JB

Laboratory of Developmental and Molecular Immunity, Food and Drug Administration, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1989, 57 (12) p3823-7, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/36 (Item 36 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06973853 89275853

Prevention of invasive bacterial diseases by immunization with polysaccharide-protein conjugates.

Robbins JB; Schneerson R; Szu SC; Fattom A; Yang Y; Lagergard T; Chu C; Sorensen US

Curr Top Microbiol Immunol (GERMANY, WEST) 1989, 146 p169-80, ISSN 0070-217X Journal Code: DWQ

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/37 (Item 37 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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06853744 89155744

Comparison between radioimmunoassay and direct and indirect enzyme-linked immunosorbent assays for determination of antibodies against Haemophilus influenzae type b capsular polysaccharide.

Lagergard T; Trollfors B; Claesson BA; Schneerson R; Robbins JB

Department of Medical Microbiology, University of Goteborg, Sweden.

J Clin Microbiol (UNITED STATES) Dec 1988, 26 (12) p2554-7, ISSN 0095-1137 Journal Code: HSH

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/38 (Item 38 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06778942 89080942

Protective levels of serum antibodies stimulated in infants by two injections of Haemophilus influenzae type b capsular polysaccharide-tetanus toxoid conjugate.

Claesson BA; Schneerson R; Robbins JB; Johansson J; Lagergard T; Taranger J; Bryla D; Levi L; Cramton T; Trollfors B

Department of Infectious Diseases, University of Gothenburg, Sweden.

J Pediatr (UNITED STATES) Jan 1989, 114 (1) p97-100, ISSN 0022-3476 Journal Code: JLZ

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/39 (Item 39 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06744007 89046007  
Persistence of antibody titres three years after vaccination with Vi polysaccharide vaccine against typhoid fever.  
Tacket CO; Levine MM; Robbins JB  
Department of Medicine, University of Maryland, Baltimore 21201.  
Vaccine (ENGLAND) Aug 1988, 6 (4) p307-8, ISSN 0264-410X  
Journal Code: X60  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/40 (Item 40 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06669266 88314266  
Synthesis and physicochemical and immunological characterization of pneumococcus type 12F polysaccharide-diphtheria toxoid conjugates.  
Fattom A; Vann WF; Szu SC; Sutton A; Li X; Bryla D; Schiffman G; Robbins JB; Schneerson R  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
Infect Immun (UNITED STATES) Sep 1988, 56 (9) p2292-8, ISSN 0019-9567  
Journal Code: G07  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/41 (Item 41 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06554769 88199769  
Clinical and immunologic responses to the capsular polysaccharide of Haemophilus influenzae type b alone or conjugated to tetanus toxoid in 18- to 23-month-old children.  
Claesson BA; Trollfors B; Lagergard T; Taranger J; Bryla D; Otterman G; Cramton T; Yang Y; Reimer CB; Robbins JB; et al  
Department of Infectious Diseases, University of Goteborg, Sweden.  
J Pediatr (UNITED STATES) May 1988, 112 (5) p695-702, ISSN 0022-3476  
Journal Code: JLZ  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/42 (Item 42 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06462161 88107161

Results of vaccination in patients with IgA deficiency and/or IgG subclass deficiencies.

Hanson LA; Avanzini MA; Bjorkander J; Griffiss JM; Robbins JB; Schneerson R; Soderstrom R; Soderstrom T

Ann Sclavo Collana Monogr (ITALY) 1986, 3 (1-2) p233-7, ISSN 0003-472X Journal Code: ASC

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/43 (Item 43 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06462159 88107159

Prospects for polysaccharide-protein conjugate vaccines.

Robbins JB; Schneerson R; Szu SC; Yang YH

Ann Sclavo Collana Monogr (ITALY) 1986, 3 (1-2) p213-32, ISSN 0003-472X Journal Code: ASC

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/44 (Item 44 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06419593 88064593

Protective activity of Vi capsular polysaccharide vaccine against typhoid fever.

Klugman KP; Gilbertson IT; Koornhof HJ; Robbins JB; Schneerson R; Schulz D; Cadoz M; Armand J

Department of Medical Microbiology, University of the Witwatersrand.

Lancet (ENGLAND) Nov 21 1987, 2 (8569) p1165-9, ISSN 0140-6736

Journal Code: LOS

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

8/3/45 (Item 45 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06416064 88061064

Vi capsular polysaccharide-protein conjugates for prevention of typhoid fever. Preparation, characterization, and immunogenicity in laboratory animals.

Szu SC; Stone AL; Robbins JD; Schneerson R; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

J Exp Med (UNITED STATES) Nov 1 1987, 166 (5) p1510-24, ISSN 0022-1007 Journal Code: I2V

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/46 (Item 46 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

06395224 88040224  
 Haemophilus influenzae type b: the search for a vaccine.  
 Robbins JB; Schneerson R  
 Laboratory of Developmental and Molecular Immunology, National Institute  
 of Child Health and Human Development, Bethesda, MD 20205.  
 Pediatr Infect Dis J (UNITED STATES) Aug 1987, 6 (8) p791-4, ISSN  
 0891-3668 Journal Code: OXJ  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

8/3/47 (Item 47 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

06054099 87028099  
 Ultrasonic irradiation of bacterial polysaccharides. Characterization of  
 the depolymerized products and some applications of the process.  
 Szu SC; Zon G; Schneerson R; Robbins JB  
 Carbohydr Res (NETHERLANDS) Sep 1 1986, 152 p7-20, ISSN 0008-6215  
 Journal Code: CNY  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

8/3/48 (Item 48 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

06046971 87020971  
 IgG subclass deficiencies.  
 Hanson LA; Bjorkander J; Robbins JB; Schneerson R; Soderstrom R;  
 Soderstrom T  
 Vox Sang (SWITZERLAND) 1986, 51 Suppl 2 p50-6, ISSN 0042-9007  
 Journal Code: XLI  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

8/3/49 (Item 49 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

05951525 86252525  
 Safety and immunogenicity of two Salmonella typhi Vi capsular  
 polysaccharide vaccines.  
 Tacket CO; Ferreccio C; Robbins JB; Tsai CM; Schulz D; Cadoz M; Goudeau A  
 ; Levine MM  
 J Infect Dis (UNITED STATES) Aug 1986, 154 (2) p342-5, ISSN 0022-1899  
 Journal Code: IH3

Contract/Grant No.: AI-12666  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/50 (Item 50 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05941568 86242568  
Current status and prospects for some improved and new bacterial vaccines.  
Robbins FC; Robbins JB  
Annu Rev Public Health (UNITED STATES) 1986, 7 p105-25, ISSN 0163-7525 Journal Code: ABA  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW

8/3/51 (Item 51 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05392287 85008287  
Reexamination of the protective role of the capsular polysaccharide (Vi antigen) of Salmonella typhi.  
Robbins JD; Robbins JB  
J Infect Dis (UNITED STATES) Sep 1984, 150 (3) p436-49, ISSN 0022-1899 Journal Code: IH3  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW

8/3/52 (Item 52 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05363826 84287826  
Serum antibody responses of juvenile and infant rhesus monkeys injected with Haemophilus influenzae type b and pneumococcus type 6A capsular polysaccharide-protein conjugates.  
Schneerson R; Robbins JB; Chu C; Sutton A; Vann W; Vickers JC; London WT; Curfman B; Hardegree MC; Shiloach J; et al  
Infect Immun (UNITED STATES) Sep 1984, 45 (3) p582-91, ISSN 0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/53 (Item 53 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05165219 84089219  
Considerations for formulating the second-generation pneumococcal capsular polysaccharide vaccine with emphasis on the cross-reactive types



within groups.

Robbins JB; Austrian R; Lee CJ; Rastogi SC; Schiffman G; Henrichsen J; Makela PH; Broome CV; Facklam RR; Tiesjema RH; et al

J Infect Dis (UNITED STATES) Dec 1983, 148 (6) p1136-59, ISSN 0022-1899 Journal Code: IH3

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL; REVIEW

8/3/54 (Item 54 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

05024857 83257857

Planning for a second (23 valent) generation pneumococcal vaccine. With special reference to new developments in our understanding of the structure and biology of polysaccharides.

Robbins JB; Schneerson R

Bull Eur Physiopathol Respir (ENGLAND) Mar-Apr 1983, 19 (2) p215-26, ISSN 0395-3890 Journal Code: BGX

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW

8/3/55 (Item 55 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04926847 83159847

Further studies on the immunogenicity of Haemophilus influenzae type b and pneumococcal type 6A polysaccharide-protein conjugates.

Chu C; Schneerson R; Robbins JB; Rastogi SC

Infect Immun (UNITED STATES) Apr 1983, 40 (1) p245-56, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/56 (Item 56 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04825560 83058560

Pneumococcal vaccination [letter]

Robbins JB

J Fam Pract (UNITED STATES) Dec 1982, 15 (6) p1055, ISSN 0094-3509 Journal Code: I4L

Languages: ENGLISH

Document type: LETTER

8/3/57 (Item 57 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04721266 82264266

Hydrolytic stability of pneumococcal group 6 (type 6A and 6B) capsular polysaccharides.

Zon G; Szu SC; Egan W; Robbins JD; Robbins JB

Infect Immun (UNITED STATES) Jul 1982, 37 (1) p89-103, ISSN 0019-9567

Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/58 (Item 58 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04695190 82238190

Antibody responses in adult volunteers to pneumococcal polysaccharide types 19F and 19A administered singly and in combination.

Penn RL; Lewin EB; Douglas RG Jr; Schiffman G; Lee CJ; Robbins JB

Infect Immun (UNITED STATES) Jun 1982, 36 (3) p1261-2, ISSN 0019-9567

Journal Code: GO7

Contract/Grant No.: NO1-AI-22503

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/59 (Item 59 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04625004 82168004

Identification of immunoglobulin heavy-chain isotypes of specific antibodies of horse 46 group B meningococcal antiserum.

Allen PZ; Glode M; Schneerson R; Robbins JB

J Clin Microbiol (UNITED STATES) Feb 1982, 15 (2) p324-9, ISSN 0095-1137 Journal Code: HSH

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/60 (Item 60 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04623351 82166351

Cross-immunogenicity of pneumococcal group 9 capsular polysaccharides in adult volunteers.

Szu SC; Lee CJ; Parke JC Jr; Schiffman G; Henrichsen J; Austrian R; Rastogi SC; Robbins JB

Infect Immun (UNITED STATES) Mar 1982, 35 (3) p777-82, ISSN 0019-9567 Journal Code: GO7

Contract/Grant No.: 223-78-1204; NO1-AI-42541

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/61 (Item 61 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04555179 82098179

Molecular size characterization of bacterial capsular polysaccharide vaccines with Sepharose CL-2B.

McCauley JA; Mancinelli RJ; Downing GV; Robbins JB

J Biol Stand (ENGLAND) Oct 1981, 9 (4) p461-8, ISSN 0092-1157

Journal Code: HJD

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/62 (Item 62 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04509021 82052021

Group C Neisseria meningitidis variant polysaccharide vaccines in children.

Steinhoff MC; Lewin EB; Gotschlich EC; Robbins JB

Infect Immun (UNITED STATES) Oct 1981, 34 (1) p144-6, ISSN 0019-9567

Journal Code: GO7

Contract/Grant No.: NO1-AI-22503; NO1-AI-22502

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/63 (Item 63 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04323104 81151104

Haemophilus influenzae type B polysaccharide-protein conjugates: model for a new generation of capsular polysaccharide vaccines.

Schneerson R; Robbins JB; Barrera O; Sutton A; Habig WB; Hardegree MC; Chaimovich J

Prog Clin Biol Res (UNITED STATES) 1980, 47 p77-94, ISSN 0361-7742

Journal Code: PZ5

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/64 (Item 64 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04323095 81151095

Future vaccine development.

Robbins JB

Prog Clin Biol Res (UNITED STATES) 1980, 47 p3-19, ISSN 0361-7742

Journal Code: PZ5

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW

8/3/65 (Item 65 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04314386 81142386

Quantitative determination of pneumococcal capsular polysaccharides in the polyvalent vaccine. I. Standardization of an immunoelectrophoretic method.

Lee CJ; Pearson SJ; Robbins JB

J Biol Stand (ENGLAND) 1980, 8 (4) p271-80, ISSN 0092-1157

Journal Code: HJD

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/66 (Item 66 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04097779 80208779

Need for agreement on a single pneumococcal vaccine formulation [letter]

Austrian R; Gotschlich E; Henrichsen J; Robbins JB; Schiffman G; Tiesjema RH

Lancet (ENGLAND) Jun 21 1980, 1 (8182) p1354, ISSN 0140-6736

Journal Code: LOS

Languages: ENGLISH

Document type: LETTER

8/3/67 (Item 67 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04095951 80206951

Identification of Salmonella typhi in faecal specimens by an antiserum-agar method.

Nolan CM; LaBorde EA; Howell RT; Robbins JB

J Med Microbiol (ENGLAND) May 1980, 13 (2) p373-7, ISSN 0022-2615

Journal Code: J2N

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/68 (Item 68 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04003518 80114518

Comparative immunogenicity of group 6 pneumococcal type 6A(6) and type 6B(26) capsular polysaccharides.

Robbins JB; Lee CJ; Rastogi SC; Schiffman G; Henrichsen J

Infect Immun (UNITED STATES) Dec 1979, 26 (3) p1116-22, ISSN

0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

8/3/69 (Item 69 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03917244 80028244  
International Symposium on Pertussis. Critique of the meeting.  
Robbins JB  
In: International symposium on pertussis, 3d, National Institutes of Health, 1978. Bethesda: DHEW/NIH, 1979 (DHEW publication; no. (NIH) 79-1830) W3 IN921BLL 3d 1978i pp. (ITALY) p370-3, Journal Code: IDM  
NLM Call No.: W3 IN921BLL 3d 1978i  
Languages: ENGLISH  
Document type: MONOGRAPH

8/3/70 (Item 70 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03797094 79174094  
Comparative immunogenicity of vaccines prepared from capsular polysaccharides of group C Neisseria meningitidis O-acetyl-positive and O-acetyl-negative variants and Escherichia coli K92 in adult volunteers.  
Glode MP; Lewin EB; Sutton A; Le CT; Gotschlich EC; Robbins JB  
J Infect Dis (UNITED STATES) Jan 1979, 139 (1) p52-9, ISSN 0022-1899  
Journal Code: IH3  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/71 (Item 71 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03772996 79149996  
Vaccines for the prevention of encapsulated bacterial diseases: current status, problems and prospects for the future.  
Robbins JB  
Immunochemistry (ENGLAND) Nov 1978, 15 (10-11) p839-54, ISSN 0019-2791 Journal Code: GH2  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW

8/3/72 (Item 72 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03710878 79087878  
Characterization of the cross-reaction between type 19F(19) and 19A(57) pneumococcal capsular polysaccharides: compositional analysis and immunological relation determined with rabbit typing antisera.  
Krishnamurthy T; Lee CJ; Henrichsen J; Carlo DJ; Stoudt TM; Robbins JB  
Infect Immun (UNITED STATES) Dec 1978, 22 (3) p727-35, ISSN 0019-9567  
Journal Code: GO7

Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/73 (Item 73 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03707444 79084444  
Prospects for the prevention of bacterial meningitis with polysaccharide vaccines.  
Gotschlich EC; Austrian R; Cvjetanovic B; Robbins JB  
Bull World Health Organ (SWITZERLAND) 1978, 56 (4) p509-18, ISSN 0042-9686 Journal Code: C80  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/74 (Item 74 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03674923 79051923  
Meningococcal vaccines and disease due to other serogroups [letter]  
Craven DE; Frasci CE; Robbins JB  
Lancet (ENGLAND) Oct 28 1978, 2 (8096) p939-40, ISSN 0140-6736  
Journal Code: L0S  
Languages: ENGLISH  
Document type: LETTER

8/3/75 (Item 75 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03537589 78171589  
Enzymatic measurement of glucose and galactose content pneumococcal capsular polysaccharides.  
Lee C; Robbins JB  
J Biol Stand (ENGLAND) 1978, 6 (2) p97-95, ISSN 0092-1157  
Journal Code: HJD  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/76 (Item 76 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03349037 77251037  
Interim report of a controlled field trial of immunization with capsular polysaccharides of Haemophilus influenzae type b and group C Neisseria meningitidis in Mecklenburg county, North Carolina (March 1974-March 1976).  
Parke JC Jr; Schneerson R; Robbins JB; Schlesselman JJ  
J Infect Dis (UNITED STATES) Aug 1977, 136 Suppl pS51-6, ISSN 0022-1899 Journal Code: IH3

Languages: ENGLISH  
Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

8/3/77 (Item 77 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03347687 77249687  
Standardization and control of meningococcal vaccines, group A and group C polysaccharides.  
Wong KH; Barrera O; Sutton A; May J; Hochstein DH; Robbins JD; Robbins JB ; Parkman PD; Seligmann EB Jr  
J Biol Stand (ENGLAND) 1977, 5 (3) p197-215, ISSN 0092-1157  
Journal Code: HJD  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/78 (Item 78 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03300736 77202736  
Problems posed by potential gonococcal vaccines viewed from the vantage point of a control agency.  
Robbins JB  
Br J Vener Dis (ENGLAND) Jun 1977, 53 (3) p170-2, ISSN 0007-134X  
Journal Code: B40  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/79 (Item 79 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

03217496 77119496  
Subgroup III report: experience gained from development of bacterial vaccines. pp. 215-6.  
Robbins JB; Mestecky J  
In: Bowen WH, et al., ed. Immunologic aspects of dental caries. Washington, Information Retrieval, 1976. WU 270 W926i 1976. (UNITED STATES)  
Journal Code: IDM  
NLN Call No.: WU 270 W926i 1976  
Languages: ENGLISH  
Document type: MONOGRAPH

8/3/80 (Item 80 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

02989628 76170628  
Host factors and antibody response Haemophilus influenza type b

meningitis and epiglottitis.

Whisnant JK; Rogentine GN; Gralnick MA; Schlesselman JJ; Robbins JB  
J Infect Dis (UNITED STATES) Apr 1976, 133 (4) p448-55, ISSN  
0022-1899 Journal Code: IH3  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

8/3/81 (Item 1 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

13081608 BIOSIS Number: 99081608  
Chemical approaches to bacterial vaccines. Synthesis of mycobacterial  
oligosaccharide-protein conjugates for use as serodiagnostics and  
immunogens  
Dubois E P; Robbins J B; Pozsgay V  
Lab. Dev. Mol. Immunity, Natl. Inst. Child Health Human Dev., Natl. Inst.  
Health, Bethesda, MD 20892-2720, USA  
Bioorganic & Medicinal Chemistry Letters 6 (12). 1996. 1387-1392.  
Full Journal Title: Bioorganic & Medicinal Chemistry Letters  
ISSN: 0960-894X  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 004 Ref. 047057

8/3/82 (Item 2 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

13044833 BIOSIS Number: 99044833  
Immunogenicity, efficacy and serological correlate of protection of  
Salmonella typhi Vi capsular polysaccharide vaccine three years after  
immunization  
Klugman K P; Koornhof H J; Robbins J B; Le Cam N N  
Dep. Med. Microbiol., Sch. Pathol., SAIMR/Univ. Witwatersrand,  
Johannesburg, South Africa  
Vaccine 14 (5). 1996. 435-438.  
Full Journal Title: Vaccine  
ISSN: 0264-410X  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 102 Iss. 002 Ref. 027006

8/3/83 (Item 3 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12216084 BIOSIS Number: 98816084  
New synthetic scheme for Vi conjugate vaccines against Salmonella typhi  
Kossaczka Z; Robbins J B; Szu S C  
NICHD, NIH, Bethesda, MD 20892, USA  
Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.  
Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of



the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104553

8/3/84 (Item 4 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216083 BIOSIS Number: 98816083

Evaluation of Escherichia coli O157 O-specific polysaccharide Pseudomonas aeruginosa recombinant exoprotein A (rEPA) conjugates

Konadu E; Parke J C Jr; Robbins J B; Szu S C; Shiloach J

NICHD, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology 96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104552

8/3/85 (Item 5 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216082 BIOSIS Number: 98816082

Preparation, characterization and immunogenicity in mice of Salmonella paratyphi A O-specific polysaccharide-tetanus toxoid conjugates: Role of O-acetyls

Szu S C; Robbins J B; Shiloach J; Konadu E

NICHD, NIDDK, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology 96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104551

8/3/86 (Item 6 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12153329 BIOSIS Number: 98753329

Development of O-specific polysaccharide-protein conjugates is based upon the protective effects of serum vibriocidal antibodies against cholera

Szu S C; Gupta R; Kovac P; Taylor D N; Robbins J B

National Inst. Health, Bethesda, MD 20892, USA  
Bulletin de l'Institut Pasteur 93 (4). 1995. 269-272.  
Full Journal Title: Bulletin de l'Institut Pasteur  
ISSN: 0020-2452  
Language: ENGLISH  
Print Number: Biological Abstracts/RRM Vol. 048 Iss. 005 Ref. 068526

8/3/87 (Item 7 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12144087 BIOSIS Number: 98744087  
Safety and immunogenicity of Staphylococcus aureus type 5 capsular polysaccharide-Pseudomonas aeruginosa recombinant exoprotein A conjugate vaccine in patients on hemodialysis  
Welch P G; Fattom A; Moore J Jr; Schneerson R; Shiloach J; Bryla D A; Li X; Robbins J B  
National Inst. Health, Public Health Service, Building 6, Room 424, National Inst. Child Health Human Dev., Bethesda, MD 20892, USA  
Journal of the American Society of Nephrology 7 (2). 1996. 247-253.  
Full Journal Title: Journal of the American Society of Nephrology  
ISSN: 1046-6673  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 009 Ref. 128362

8/3/88 (Item 8 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12128115 BIOSIS Number: 98728115  
Serum antibodies in six-year-old children vaccinated in infancy with a Haemophilus influenzae type b-tetanus toxoid conjugate vaccine  
Claesson B A; Trollfors B; Anderson P W; Johansson J; Taranger J; Schneerson R; Robbins J B  
Department Infectious Diseases, Ostra Hospital, S-416 85 Goteborg, Sweden  
Pediatric Infectious Disease Journal 15 (2). 1996. 170-172.  
Full Journal Title: Pediatric Infectious Disease Journal  
ISSN: 0891-3668  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 101 Iss. 008 Ref. 112390

8/3/89 (Item 9 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

11550993 BIOSIS Number: 98150993  
Induction of Serum Vibriocidal Antibodies by O-Specific Polysaccharide-Protein Conjugate Vaccines for Prevention of Cholera  
Szu S C; Gupta R; Robbins J B  
Lab. Dev. Mol. Immunity, Natl. Inst. Child Health Human Dev., Bethesda, MD 20891-0001, USA  
0 (0). 1994. 381-394.  
Full Journal Title: Wachsmuth, I. K., P. A. Blake and O. Olsvik (Ed.).

Vibrio cholerae and cholera: Molecular to global perspectives. xii+465p.  
American Society for Microbiology (ASM): Washington, DC, USA. ISBN  
1-55581-067-5.

ISSN: \*\*\*\*\*

Language: ENGLISH

Document Type: BOOK

Print Number: Biological Abstracts/RRM Vol. 047 Iss. 004 Ref. 053714

8/3/90 (Item 10 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

11454211 BIOSIS Number: 98054211

Synthesis and Some Immunologic Properties of an O-Acetyl Pectin (Poly(1  
fwdarw 4)-alpha-D-GalpA)-Protein Conjugate as a Vaccine for Typhoid Fever

Szu S C; Bystricky S; Hinojosa-Ahumada M; Egan W; Robbins J B

Lab. Dev. Mol. Immunity, Natl. Inst. Child Health Human Dev., Bethesda,  
MD 20892, USA

Infection and Immunity 62 (12). 1994. 5545-5549.

Full Journal Title: Infection and Immunity

ISSN: 0019-9567

Language: ENGLISH

Print Number: Biological Abstracts Vol. 099 Iss. 003 Ref. 038755

8/3/91 (Item 11 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

11236364 BIOSIS Number: 97436364

A tale of two toxins

Robbins J B; Szu S C; Schneerson R; Trollfors B; Lagergard T A; Taranger  
J

National Inst. Child Health Human Dev., NIH, Bethesda, MD 20892, USA  
0 (0). 1994. 99-111.

Full Journal Title: Norrby, E., et al. (Ed.). Vaccines (Cold Spring  
Harbor), 94. Modern approaches to new vaccines including prevention of  
AIDS; Eleventh Annual Meeting on Modern Approaches to New Vaccines, Cold  
Spring Harbor, New York, USA, September 1993. xix+403p. Cold Spring Harbor  
Laboratory Press: Plainview, New York, USA. ISBN 0-87969-434-3.

ISSN: 0899-4056

Language: ENGLISH

Document Type: BOOK; CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 046 Iss. 010 Ref. 161128

8/3/92 (Item 12 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

10295714 BIOSIS Number: 45095714

THE NMR SPECTROSCOPY OF OLIGOSACCHARIDES THAT CAN RECOGNIZE A MONOCLONAL  
ANTI SHIGELLA-DYSENTERIAE TYPE 1 ANTIBODY

COXON B; POZSGAY V; GLAUDEMANS C P J; ROBBINS J B; SCHNEERSON R

BIOTECHNOL. DIV., NATIONAL INST. STANDARDS TECHNOL., GAITHERSBURG, MD

20899, USA.

206TH ACS (AMERICAN CHEMICAL SOCIETY) NATIONAL MEETING, CHICAGO,  
ILLINOIS, USA, AUGUST 22-27, 1993. ABSTR PAP AM CHEM SOC 206 (1-2). 1993.  
CARB 32. CODEN: ACSRA  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/93 (Item 13 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

10241114 BIOSIS Number: 45041114  
PREPARATION CHARACTERIZATION AND IMMUNOGENICITY OF CONJUGATES COMPOSED OF  
THE O-SPECIFIC POLYSACCHARIDE OF ESCHERICHIA-COLI O157 BOUND TO CARRIER  
PROTEINS  
KONADU E Y; SZU S C; ROBBINS J B  
NATIONAL INST. CHILD HEALTH AND HUMAN DEV., NIH, BETHESDA, MD.  
93RD GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, ATLANTA,  
GEORGIA, USA, MAY 16-20, 1993. ABSTR GEN MEET AM SOC MICROBIOL 93 (0).  
1993. 157. CODEN: AGMME  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/94 (Item 14 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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10210592 BIOSIS Number: 45010592  
THE IMMUNOLOGY OF SHIGELLOSIS IN PEDIATRIC POPULATIONS RELEVANCE FOR THE  
FUTURE USE OF DETOXIFIED LPS CONJUGATE VACCINES  
PASSWELL J H; ASHKENAZI S; BLOCK C; FREIER S; LISON M; SCHNEERSON R;  
ROBBINS J B  
TEL AVIV UNIV., ISRAEL.  
103RD ANNUAL MEETING OF THE AMERICAN PEDIATRIC SOCIETY AND 62ND ANNUAL  
MEETING OF THE SOCIETY FOR PEDIATRIC RESEARCH, WASHINGTON, D.C., USA, MAY  
3-6, 1993. PEDIATR RES 33 (4 PART 2). 1993. 178A. CODEN: PEREB  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/95 (Item 15 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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9846718 BIOSIS Number: 44096718  
SYNTHESIS OF EXTENDED FRAGMENTS OF THE O-POLYSACCHARIDE OF  
SHIGELLA-DYSENTERIAE TYPE 1 AND THEIR INTERACTIONS WITH A MONOCLONAL  
ANTIBODY  
POZSGAY V; GLAUDEMANS C P J; ROBBINS J B; SCHNEERSON R  
NATL. INST. DIABETES DIG. KIDNEY DIS., NIH, BETHESDA, MD 20892, USA.  
KEYSTONE SYMPOSIUM ON CARBOHYDRATE LIGANDS AND THEIR PROTEIN RECEPTORS:  
BIOLOGICAL FUNCTION AND MOLECULAR INTERACTION, KEYSTONE, COLORADO, USA,  
JANUARY 24-31, 1993. J CELL BIOCHEM SUPPL 0 (17 PART A). 1993. 369.  
CODEN: JCBSD

Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/96 (Item 16 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

8909038 BIOSIS Number: 42134038  
CONJUGATE VACCINE FOR INDUCTION OF POLY-2-8-ALPHA-N-ACETYLNEURAMINIC ACID  
ANTIBODIES  
DEVI S J N; ROBBINS J B; SCHNEERSON R  
NATL. INST. CHILD HEALTH HUMAN DEV., NIH, BETHESDA, MD., USA.  
MEETING ON THE MENINGOCOCCAL SEROGROUP B VACCINE PROTECTION TRIAL IN  
NORWAY 1988-1991, OSLO, NORWAY, SEPTEMBER 12-13, 1991. NIPH (NATL INST  
PUBLIC HEALTH) ANN (OSLO) 14 (2). 1991. 243-245. CODEN: NIAND  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/97 (Item 17 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

8638742 BIOSIS Number: 92103742  
ANTIBODIES TO POLY-2-8-ALPHA-N-ACETYLNEURAMINIC ACID AND  
POLY-2-9-ALPHA-N-ACETYLNEURAMINIC ACID ARE ELICITED BY IMMUNIZATION OF MICE  
WITH ESCHERICHIA-COLI K92 CONJUGATES POTENTIAL VACCINES FOR GROUPS B AND C  
MENINGOCOCCI AND ESCHERICHIA-COLI K1  
DEVI S J N; ROBBINS J B; SCHNEERSON R  
LAB. DEVELOPMENTAL MOLECULAR IMMUNITY, NATL. INST. CHILD HEALTH HUMAN  
DEVELOPMENT, NATL. INST. HEALTH, BETHESDA, MD. 20892.  
PROC NATL ACAD SCI U S A 88 (16). 1991. 7175-7179. CODEN: PNASA  
Full Journal Title: Proceedings of the National Academy of Sciences of  
the United States of America  
Language: ENGLISH

8/3/98 (Item 18 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

7860155 BIOSIS Number: 40061155  
PERTUSSIS TOXIN NEUTRALIZING ANTIBODIES ANTITOXIN FOR PREVENTION OF  
WHOOPIING COUGH  
ROBBINS J B  
NATL. INST. CHILD HEALTH HUMAN DEV., NIH, BETHESDA, MD.  
SAN MARINO CONFERENCE ON VACCINE AND AIDS, SAN MARINO, OCTOBER 7-11,  
1990. AIDS RES HUM RETROVIRUSES 6 (11). 1990. 1354. CODEN: ARHRE  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/99 (Item 19 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

7537469 BIOSIS Number: 39050076

PREPARATION OF PROTEIN CONJUGATES WITH DETOXIFIED LPS FROM  
ESCHERICHIA-COLI J5 MUTANT

GUPTA R K; SZU S C; ROBBINS J B

LAB. DEV. MOL. IMMUNITY, NATL. INST. CHILD HEALTH HUMAN DEV., NIH,  
BETHESDA, MD. 20892, USA.

90TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY 1990,  
ANAHEIM, CALIFORNIA, USA, MAY 13-17, 1990. ABSTR ANNU MEET AM SOC MICROBIOL  
90 (0). 1990. 120. CODEN: ASMAC

Language: ENGLISH

Document Type: CONFERENCE PAPER

8/3/100 (Item 20 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

7442554 BIOSIS Number: 89093573

SYNTHESIS AND IMMUNOLOGICAL PROPERTIES OF CONJUGATES COMPOSED OF GROUP B  
STREPTOCOCCUS TYPE III CAPSULAR POLYSACCHARIDE COVALENTLY BOUND TO TETANUS  
TOXOID

LAGERGARD T; SHILOACH J; ROBBINS J B; SCHNEERSON R

DEP. MED. MICROBIOL., UNIV. GOTEBOG, GOTEBOG, SWED.

INFECT IMMUN 58 (3). 1990. 687-694. CODEN: INFIB

Full Journal Title: Infection and Immunity

Language: ENGLISH

8/3/101 (Item 21 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

7254630 BIOSIS Number: 38035151

BORDETELLA

ROBBINS J B; PITTMAN M

LAB. DEV. MOL. IMMUNITY, NATL. INST. CHILD HEALTH HUMAN DEV., NATL. INST.  
HEALTH, BETHESDA, MD.

DAVIS, B. D., R. DULBECCO, H. N. EISEN AND H. S. GINSBERG. MICROBIOLOGY,  
FOURTH EDITION. XXI+1215P. J. B. LIPPINCOTT CO.: PHILADELPHIA,  
PENNSYLVANIA, USA; LONDON, ENGLAND, UK. ILLUS. ISBN 0-397-50689-9. 0 (0).  
1989 (1990). 621-624. CODEN: 28537

Language: ENGLISH

8/3/102 (Item 22 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

6977308 BIOSIS Number: 87037829

COMPARISON BETWEEN RADIOIMMUNOASSAY AND DIRECT AND INDIRECT ELISA FOR  
DETERMINATION OF ANTIBODIES AGAINST HAEMOPHILUS-INFLUENZAE TYPE B CAPSULAR  
POLYSACCHARIDE

LAGERGARD T; TROLLFORS B; CLAEISSON B A; SCHNEERSON R; ROBBINS J B

DEP. MED. MICROBIOL., UNIV. GOTEBOG, S-413 46 GOTEBOG, SWED.

J CLIN MICROBIOL 26 (12). 1988. 2554-2557. CODEN: JCMID

Full Journal Title: Journal of Clinical Microbiology  
Language: ENGLISH

8/3/103 (Item 23 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

6795513 BIOSIS Number: 36126034  
BACTERIAL POLYSACCHARIDES BOUND TO PROTEINS BY HETEROBIFUNCTIONAL  
THIOLATING AGENTS  
SZU S C; CHU C; ROBBINS J B  
NATL. INST. CHILD HEALTH AND DEVELOPMENT, NIH.  
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CELL BIOCHEM SUPPL 0 (13 PART A). 1989. 288. CODEN: JCBSD  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/104 (Item 24 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

6218262 BIOSIS Number: 35083783  
POLYSACCHARIDE VACCINES  
ROBBINS J B; SCHNEERSON R  
LAB. DEV. MOLECULAR IMMUNITY, NATL. INST. CHILD HEALTH HUMAN DEV.,  
BETHESDA, MD. 20892.  
PATARROYO, M. E., J. B. ZABRISKIE AND D. PIZANO-SALAZAR (ED.). MODERN  
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BOGOTA, COLOMBIA, NOVEMBER 1984. XI+222P. ACADEMIC PRESS, INC.: SAN DIEGO,  
CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS. ISBN 0-12-546580-7. 0 (0).  
1987. 183-198. CODEN: 38742  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/105 (Item 25 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

6216269 BIOSIS Number: 35081790  
PROTECTIVE ROLES OF MUCOSAL AND SERUM IMMUNITY AGAINST TYPHOID FEVER  
ROBBINS J B; SCHNEERSON R; ACHARYA I L; LOWE C U; SZU S C; DANIELS E;  
YANG Y; TROLLFORS B  
LAB. DEVELOPMENTAL MOLECULAR IMMUNITY, NATL. INST. CHILD HEALTH HUM.  
DEVELOPMENTAL, NIH, BETHESDA, MD. 20892.  
HANSON, L. A. AND C. S. EDEN (ED.). MONOGRAPHS IN ALLERGY, VOL. 24.  
MUCOSAL IMMUNOBIOLOGY: CELLULAR-MOLECULAR INTERACTIONS IN THE MUCOSAL  
IMMUNE SYSTEM; 68TH NOBEL SYMPOSIUM, MARSTRAND, SWEDEN, JUNE 14-18, 1987.  
IX+330P. S. KARGER AG: BASEL, SWITZERLAND; NEW YORK, NEW YORK, USA. ILLUS.  
ISBN 3-8055-4680-7. 0 (0). 1988. 315-320. CODEN: MOALA  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/106 (Item 26 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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5627609 BIOSIS Number: 33022630  
EVALUATION OF THE NEED TO IMMUNIZE CHILDREN WITH SICKLE CELL DISEASE WITH  
HAEMOPHILUS-INFLUENZAE TYPE B HIB VACCINE  
LOSONSKY G A; LUDDY R E; SCHWARZ A D; ROBBINS J B  
UNIV. MD., DEP. PEDIATRICS, BALTIMORE.  
JOINT MEETING OF THE AMERICAN PEDIATRIC SOCIETY AND THE SOCIETY FOR  
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Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/107 (Item 27 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

5512775 BIOSIS Number: 32035082  
VACCINES COMPOSED OF BACTERIAL CAPSULAR POLYSACCHARIDES  
ROBBINS J B; SCHNEERSON R  
NATL. INST. CHILD HEALTH HUMAN DEV., NATL. INST. HEALTH, BETHESDA, MD.  
20205, USA.  
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NEW YORK, N.Y., USA. ILLUS. ISBN 3-8055-4280-1. 0 (0). 1986. 97-98.  
CODEN: DVBSA  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/108 (Item 28 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

5379025 BIOSIS Number: 82023828  
QUANTITATIVE AND QUALITATIVE ANALYSES OF SERUM ANTIBODIES ELICITED IN  
ADULTS BY HAEMOPHILUS-INFLUENZAE TYPE B AND PNEUMOCOCCUS TYPE 6A CAPSULAR  
POLYSACCHARIDE-TETANUS TOXOID CONJUGATES  
SCHNEERSON R; ROBBINS J B; PARKE J C JR; BELL C; SCHLESSELMAN J J; SUTTON  
A; WANG Z; SCHIFFMAN G; KARPAS A; SHILOACH J  
LABORATORY OF DEVELOPMENT AND MOLECULAR IMMUNITY, NATIONAL INSTITUTE OF  
CHILD HEALTH AND HUMAN DEVELOPMENT, BETHESDA, MARYLAND 20892.  
INFECT IMMUN 52 (2). 1986. 519-528. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/109 (Item 29 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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4227033 BIOSIS Number: 26079376

CONSIDERATIONS FOR FORMULATING THE 2ND GENERATION PNEUMOCOCCAL CAPSULAR  
POLY SACCHARIDE VACCINE WITH EMPHASIS ON THE CROSS REACTIVE TYPES WITHIN  
GROUPS

ROBBINS J B; AUSTRIAN R; LEE C-J; RASTOGI S C; SCHIFFMAN G; HENRICHSEN J;  
MAKELA P H; BROOME C V; FACKLAM R R; TIESJEMA R H; PARKE J C JR

DEV. MOLECULAR IMMUNITY BRANCH, NATL. INST. CHILD HEALTH HUMAN DEV.,  
BUILD. 6, ROOM 416, NATL. INST. HEALTH, BETHESDA, MD 20205.

J INFECT DIS 148 (6). 1983 (RECD. 1984). 1136-1159. CODEN: JIDIA

Full Journal Title: Journal of Infectious Diseases

Language: ENGLISH

8/3/110 (Item 30 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

4192358 BIOSIS Number: 26044701

PLANNING FOR A 2ND 23 VALENT GENERATION PNEUMOCOCCAL VACCINE WITH SPECIAL  
REFERENCE TO NEW DEVELOPMENTS IN UNDERSTANDING THE STRUCTURE AND BIOLOGY OF  
POLY SACCHARIDES

ROBBINS J B; SCHNEERSON R

OFFICE BIOLOGICS, NATIONAL CENTER DRUGS AND BIOLOGICS, FOOD AND DRUG  
ADMINISTRATION, 8800 ROCKVILLE PIKE, BETHESDA, MD 20205.

MEETING ON HOST-BACTERIA RELATIONS INSIDE THE RESPIRATORY TRACT, PARIS,  
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CODEN: CRPHD

Language: ENGLISH

Document Type: CONFERENCE PAPER

8/3/111 (Item 31 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

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4107203 BIOSIS Number: 76057054

FURTHER STUDIES ON THE IMMUNOGENICITY OF HAEMOPHILUS-INFLUENZAE TYPE B  
AND PNEUMOCOCCAL TYPE 6A POLY SACCHARIDE PROTEIN CONJUGATES

CHU C; SCHNEERSON R; ROBBINS J B; RASTOGI S C

DIV. BACTERIAL PRODUCTS, OFFICE BIOL., FOOD DRUG ADM., BETHESDA, MD.  
20205.

INFECT IMMUN 40 (1). 1983. 245-256. CODEN: INFIB

Full Journal Title: Infection and Immunity

Language: ENGLISH

8/3/112 (Item 32 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

3963289 BIOSIS Number: 75010648

HYDROLYTIC STABILITY OF PNEUMOCOCCAL GROUP 6 TYPE 6A AND TYPE 6B CAPSULAR  
POLY SACCHARIDES

ZON G; SZU S C; EGAN W; ROBBINS J D; ROBBINS J B

DEP. CHEM., CATHOLIC UNIV. AMERICA, WASHINGTON, D.C. 20064.

INFECT IMMUN 37 (1). 1982. 89-103. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/113 (Item 33 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3807674 BIOSIS Number: 24015033  
BACTERIAL CAPSULAR POLY SACCHARIDE CONJUGATES  
SCHNEERSON R; ROBBINS J B; EGAN W; ZON G; SUTTON A; VANN W F; KAIJSER B;  
HANSON L A; AHLSTEDT S  
BUREAU BIOLOGICS, FOOD, DRUG ADMIN., BETHESDA, MD.  
ROBBINS, J. B., J. C. HILL AND J. C. SADOFF (ED.). SEMINARS IN INFECTIOUS  
DISEASE, VOL. 4. BACTERIAL VACCINES; INTERNATIONAL SYMPOSIUM, SEPT. 15-18,  
1980. XXXIV+461P. THIEME-STRATTON, INC.: NEW YORK, N.Y., USA; GEORG THIEME  
VERLAG: NEW YORK, N.Y., USA; STUTTGART, WEST GERMANY. ILLUS. ISBN  
0-86577-020-0; ISBN 3-13-617001-6. 0 (0). 1982. P311-321. CODEN: SEIDD  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/114 (Item 34 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3768743 BIOSIS Number: 74068606  
ANTIBODY RESPONSES IN ADULT VOLUNTEERS TO PNEUMOCOCCAL POLY SACCHARIDE  
TYPES 19F AND 19A ADMINISTERED SINGLY AND IN COMBINATION  
PENN R L; LEWIN E B; DOUGLAS R G JR; SCHIFFMAN G; LEE C-J; ROBBINS J B  
INFECTIOUS DISEASES, VA MED. CENT. SHREVEPORT, LA. 71130.  
INFECT IMMUN 36 (3). 1982. 1261-1262. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/115 (Item 35 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3710211 BIOSIS Number: 74010074  
CROSS IMMUNOGENICITY OF PNEUMOCOCCAL GROUP 9 CAPSULAR POLY SACCHARIDES IN  
ADULT VOLUNTEERS  
SZU S C; PARKE J C JR; SCHIFFMAN G; HENRICHSEN J; AUSTRIAN R; RASTOGI S C  
; ROBBINS J B; LEE C-J  
BUREAU OF BIOL., FOOD AND DRUG ADMINISTRATION, BETHESDA, MD. 20205.  
INFECT IMMUN 35 (3). 1982. 777-782. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/116 (Item 36 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3710209 BIOSIS Number: 74010072

IDENTIFICATION OF IMMUNO GLOBULIN HEAVY CHAIN ISOTYPES OF SPECIFIC  
ANTIBODIES OF HORSE 46 GROUP B MENINGOCOCCAL ANTI SERUM

ALLEN P Z; GLODE M; SCHNEERSON R; ROBBINS J B

DEP. MICROBIOL., UNIV. ROCHESTER SCH. MED. DENTISTRY, ROCHESTER, NEW YORK  
14642.

J CLIN MICROBIOL 15 (2). 1982. 324-329. CODEN: JCMID

Full Journal Title: Journal of Clinical Microbiology

Language: ENGLISH

8/3/117 (Item 37 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3646832 BIOSIS Number: 73039199

MOLECULAR SIZE CHARACTERIZATION OF BACTERIAL CAPSULAR POLY SACCHARIDE  
VACCINES WITH SEPHAROSE CL-2B

MCCAULEY J A; MANCINELLI R J; DOWNING G V; ROBBINS J B

MERCK SHARP DOHME RESEARCH LAB., P.O. BOX 2000, RAHWAY, NEW JERSEY 07065.

J BIOL STAND 9 (4). 1981. 461-468. CODEN: JBSTB

Full Journal Title: Journal of Biological Standardization

Language: ENGLISH

8/3/118 (Item 38 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3639711 BIOSIS Number: 73032078

GROUP C NEISSERIA-MENINGITIDIS VARIANT POLY SACCHARIDE VACCINES IN  
CHILDREN

STEINHOFF M C; LEWIN E B; GOTSCHLICH E C; ROBBINS J B; PANORAMA PEDIATR  
GROUP(USA)

DEP. OF PEDIATRICS, UNIV. OF ROCHESTER MED. CENTER, ROCHESTER, NEW YORK  
14642.

INFECT IMMUN 34 (1). 1981. 144-146. CODEN: INFIB

Full Journal Title: Infection and Immunity

Language: ENGLISH

8/3/119 (Item 39 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3599139 BIOSIS Number: 23066514

SEMINARS IN INFECTIOUS DISEASE VOL. 4. BACTERIAL VACCINES INTERNATIONAL  
SYMPOSIUM SEPT. 15-18 1980

ROBBINS J B; HILL J C; SADOFF J C

BUREAU BIOL., FOOD, DRUG ADMINISTRATION, BETHESDA, MD.

ROBBINS, J. B., J. C. HILL AND J. C. SADOFF (ED.). SEMINARS IN INFECTIOUS  
DISEASE, VOL. 4. BACTERIAL VACCINES; INTERNATIONAL SYMPOSIUM, SEPT. 15-18,  
1980. XXXIV+461P. THIEME-STRATTON, INC.: NEW YORK, N.Y., USA; GEORG THIEME  
VERLAG: NEW YORK, N.Y., USA; STUTTGART, WEST GERMANY. ILLUS. ISBN

0-86577-020-0; ISBN 3-13-617001-6. 0 (0). 1982. XXXIV+461P. CODEN: SEIDD

Language: ENGLISH

Document Type: CONFERENCE PROCEEDINGS

8/3/120 (Item 40 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3316064 BIOSIS Number: 71038463  
QUANTITATIVE DETERMINATION OF PNEUMOCOCCAL CAPSULAR POLY SACCHARIDES IN  
THE POLYVALENT VACCINE 1. STANDARDIZATION OF AN IMMUNO ELECTROPHORETIC  
METHOD  
LEE C-J; PEARSON S J; ROBBINS J B  
DIV. BACTERIAL PROD., BUR. BIOL. FOOD DRUG ADM., 8800 ROCKVILLE PIKE,  
BETHESDA, MD. 20205, USA.  
J BIOL STAND 8 (4). 1980. 271-280. CODEN: JBSTB  
Full Journal Title: Journal of Biological Standardization  
Language: ENGLISH

8/3/121 (Item 41 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3222362 BIOSIS Number: 21014765  
HAEMOPHILUS-INFLUENZAE TYPE B POLY SACCHARIDE PROTEIN CONJUGATES MODEL  
FOR A NEW GENERATION OF CAPSULAR POLY SACCHARIDE VACCINES  
SCHNEERSON R; ROBBINS J B; BARRERA O; SUTTON A; HABIG W B; HARDEGREE M C;  
CHAIMOVICH J  
BUR. BIOL., FDA, BETHESDA, MD. 20205, USA.  
MIZRAHI, A., ET AL. (ED.). PROGRESS IN CLINICAL AND BIOLOGICAL RESEARCH,  
VOL. 47. NEW DEVELOPMENTS WITH HUMAN AND VETERINARY VACCINES; 25TH OHOLO  
BIOLOGICAL CONFERENCE, ZICHRON YA'ACOV, ISRAEL, 1980. XVII+425P. ALAN R.  
LISS, INC.: NEW YORK, N.Y., USA. ILLUS. MAPS. ISBN 0-8451-0047-5. 0 (0).  
1980 (RECD. 1981). P77-94. CODEN: PCBRD  
Language: ENGLISH

8/3/122 (Item 42 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3152857 BIOSIS Number: 20015264  
IMMUNOGENICITY OF GROUP C NEISSERIA-MENINGITIDIS VARIANT VACCINES IN  
YOUNG CHILDREN  
STEINHOFF M C; LEWIN E B; GOTSCHLICH E C; ROBBINS J B  
UNIV. ROCHESTER SCH. MED., DEP. PEDIATR., ROCHESTER, N.Y.  
MEETING OF THE AMERICAN PEDIATRIC SOCIETY AND THE SOCIETY FOR PEDIATRIC  
RESEARCH, SAN ANTONIO, TEX., USA, APRIL 30-MAY 2, 1980. PEDIATR RES 14 (4  
PART 2). 1980. 552. CODEN: PEREB  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/123 (Item 43 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3122306 BIOSIS Number: 70072213

IDENTIFICATION OF SALMONELLA-TYPHI IN FECAL SPECIMENS BY AN ANTI SERUM  
AGAR METHOD

NOLAN C M; LABORDE E A; HOWELL R T; ROBBINS J B  
DEP. MED., UNIV. ARKANSAS COLL. MED., LITTLE ROCK, ARKANSAS 72201, USA.  
J MED MICROBIOL 13 (2). 1980. 373-378. CODEN: JMMIA  
Full Journal Title: Journal of Medical Microbiology  
Language: ENGLISH

8/3/124 (Item 44 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

3013444 BIOSIS Number: 69050851

COMPARATIVE IMMUNOGENICITY OF GROUP 6 PNEUMOCOCCAL TYPE 6-A6 AND TYPE  
6B26 CAPSULAR POLY SACCHARIDES

ROBBINS J B; LEE C-J; RASTOGI S C; SCHIFFMAN G; HENRICHSEN J  
BUR. BIOL., FOOD DRUG ADM., BETHESDA, MD. 20014, USA.  
INFECT IMMUN 26 (3). 1979 (RECD. 1980). 1116-1122. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/125 (Item 45 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2909617 BIOSIS Number: 19014526

HAEMOPHILUS-INFLUENZAE TYPE B POLY SACCHARIDE PROTEIN CONJUGATES  
SCHNEERSON R; ROBBINS J B; BARRERA O; SUTTON A  
BUR. BIOL., 8800 ROCKVILLE PIKE, BETHESDA, MD. 20205, USA.  
64TH ANNUAL MEETING OF THE FED. AM. SOC. EXP. BIOL., ANAHEIM, CALIF.,  
USA, APR. 13-18, 1980. FED PROC 39 (3). 1980. ABSTRACT 2156. CODEN:  
FEPRA

Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/126 (Item 46 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2883702 BIOSIS Number: 18056113

CROSS REACTIVITY AND CHEMICAL CHARACTERIZATION OF GROUP 9 PNEUMOCOCCAL  
POLY SACCHARIDES

SZU S C; LEE C J; ROBBINS J B  
BUR. BIOL., FOOD DRUG ADM., BETHESDA, MD. 20014, USA.  
80TH ANNUAL MEETING, MIAMI BEACH, FLA., USA, MAY 11-16, 1980. ABSTR ANNU  
MEET AM SOC MICROBIOL 80 (0). 1980. ABSTRACT 412. CODEN: ASMAC  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

8/3/127 (Item 47 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2754312 BIOSIS Number: 68009219

COMPARATIVE IMMUNOGENICITY OF VACCINES PREPARED FROM CAPSULAR POLY  
SACCHARIDES OF GROUP C NEISSERIA-MENINGITIDIS O ACETYL POSITIVE AND O  
ACETYL NEGATIVE VARIANTS AND ESCHERICHIA-COLI K-92 IN ADULT VOLUNTEERS  
GLODE M P; LEWIN E B; SUTTON A; LE C T; GOTSCHLICH E C; ROBBINS J B  
BUR. BIOL., FOOD DRUG. ADM., 8800 ROCKVILLE PIKE, BETHESDA, MD. 20014,  
USA.  
J INFECT DIS 139 (1). 1979. 52-59. CODEN: JIDIA  
Full Journal Title: Journal of Infectious Diseases  
Language: ENGLISH

8/3/128 (Item 48 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2704169 BIOSIS Number: 67041572

CHARACTERIZATION OF THE CROSS REACTION BETWEEN TYPE 19F-19 AND 19A-57  
PNEUMOCOCCAL CAPSULAR POLY SACCHARIDES COMPOSITIONAL ANALYSIS AND  
IMMUNOLOGICAL RELATION DETERMINED WITH RABBIT TYPING ANTI SERA  
KRISHNAMURTHY T; LEE C-J; HENRICHSEN J; CARLO D J; STOUDT T M; ROBBINS J  
B  
BUR. BIOL., BETHESDA, MD. 20014, USA.  
INFECT IMMUN 22 (3). 1978. 727-735. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

8/3/129 (Item 49 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2704160 BIOSIS Number: 67041563

PROSPECTS FOR THE PREVENTION OF BACTERIAL MENINGITIS WITH POLY SACCHARIDE  
VACCINES  
GOTSCHLICH E C; AUSTRIAN R; CVJETANOVIC B; ROBBINS J B  
ROCKEFELLER UNIV., NEW YORK, N.Y. 10021, USA.  
BULL W H O 56 (4). 1978. 509-518. CODEN: BWHOA  
Full Journal Title: Bulletin of the World Health Organization  
Language: ENGLISH

8/3/130 (Item 50 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2413505 BIOSIS Number: 65039913

STANDARDIZATION AND CONTROL OF MENINGOCOCCAL VACCINES GROUP A AND GROUP C  
POLY SACCHARIDES  
WONG K H; BARRERA O; SUTTON A; MAY J; HOCHSTEIN D H; ROBBINS J D; ROBBINS  
J B; PARKMAN P D; SELIGMANN E B JR  
VENER. DIS. RES. BRANCH, BACTERIOL. DIV., BUR. LAB., CENT. DIS. CONTROL,  
1600 CLIFTON RD., ATLANTA, GA. 30333, USA.

J BIOL STAND 5 (3). 1977 197-216. CODEN: JBSTB  
Full Journal Title: Journal of Biological Standardization  
Language: ENGLISH

8/3/131 (Item 51 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

2081561 BIOSIS Number: 13096117  
SYMPOSIUM ON CURRENT STATUS AND PROSPECTS FOR IMPROVED AND NEW BACTERIAL  
VACCINES BETHESDA MARYLAND USA MARCH 29 APRIL 1 1976  
ROBBINS J B; HILL J C  
J INFECT DIS 136 (SUPPL). 1977 S8-S256 CODEN: JIDIA  
Full Journal Title: Journal of Infectious Diseases  
Document Type: CONFERENCE PROCEEDINGS

8/3/132 (Item 52 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

1942116 BIOSIS Number: 62031676  
HOST FACTORS AND ANTIBODY RESPONSE IN HAEMOPHILUS-INFLUENZAE TYPE B  
MENINGITIS AND EPIGLOTTITIS  
WHISNANT J K; ROSENTINE G N; GRALNICK M A; SCHLESSELMAN J J; ROBBINS J B  
J INFECT DIS 133 (4). 1976 448-455. CODEN: JIDIA  
Full Journal Title: Journal of Infectious Diseases

8/3/133 (Item 53 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

1829147 BIOSIS Number: 12098707  
VACCINE TRIAL IN MECKLENBURG COUNTY NORTH-CAROLINA USA WITH  
HAEMOPHILUS-INFLUENZAE TYPE B AND MENINGOCOCCAL GROUP C CAPSULAR POLY  
SACCHARIDES PROGRESS REPORT  
PARKE J C JR; SCHLESSELMAN J; SCHNEERSON R; ROBBINS J B  
PEDIATR RES 10 (4). 1976 402 CODEN: PEREB  
Full Journal Title: Pediatric Research  
Document Type: CONFERENCE PAPER

8/3/134 (Item 54 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

1829126 BIOSIS Number: 12098686  
CROSS ANTIGENICITY AND IMMUNOGENICITY BETWEEN MENINGOCOCCAL GROUP C AND  
ESCHERICHIA-COLI K-92 CAPSULAR POLY SACCHARIDES  
GLODE M P; ROBBINS J B; LIU T-Y; GOTSCHLICH E C; ORSLOV I; ORSKOV F  
PEDIATR RES 10 (4). 1976 398 CODEN: PEREB  
Full Journal Title: Pediatric Research  
Document Type: CONFERENCE PAPER

8/3/135 (Item 55 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

1510297 BIOSIS Number: 11034869  
PREVENTION OF HAEMOPHILUS-INFLUENZAE TYPE B DISEASE IN HUMANS  
SMITH D H; ROBBINS J B  
PREV MED 3 (4) 1974 (RECD 1975) 446-448 CODEN: PVTMA  
Full Journal Title: Preventive Medicine

8/3/136 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

9889199 EMBASE No: 96071309  
Hypothesis: How licensed vaccines confer protective immunity  
Robbins J.B.; Schneerson R.; Szu S.C.  
Lab. of Devtl./Molecular Immunity, NICHHD, NIH, Bethesda, MD 20892 USA  
Advances in Experimental Medicine and Biology (USA) , 1996, 397 (169-181)  
CODEN: AEMBA ISSN: 0065-2598  
LANGUAGES: English SUMMARY LANGUAGES: English

8/3/137 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

9622159 EMBASE No: 95174991  
Hypothesis: Serum IgG antibody is sufficient to confer protection against  
infectious diseases by inactivating the inoculum  
Robbins J.B.; Schneerson R.; Szu S.C.  
Devtl./Molecular Immunity Laboratory, Bldg. 6, NIH, Bethesda, MD 20892  
USA  
Journal of Infectious Diseases (USA) , 1995, 171/6 (1387-1398) CODEN:  
JIDIA ISSN: 0022-1899  
LANGUAGES: English SUMMARY LANGUAGES: English

8/3/138 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

9419274 EMBASE No: 94366622  
Synthesis and some immunologic properties of an O-acetyl pectin  
(poly(1right arrow4)-alpha-D-GalpA)-protein conjugate as a vaccine for  
typhoid fever  
Szu S.C.; Bystricky S.; Hinojosa-Ahumada M.; Egan W.; Robbins J.B.  
Developmental/Molec. Immunity Lab., NICHHD, Bethesda, MD 20892 USA  
INFECT. IMMUN. (USA) , 1994, 62/12 (5545-5549) CODEN: INFIB ISSN:  
0019-9567  
LANGUAGES: English SUMMARY LANGUAGES: English

8/3/139 (Item 4 from file: 73)



DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

8956328 EMBASE No: 93260051

Synthesis, characterization, and clinical evaluation of conjugate vaccines composed of the O-specific polysaccharides of *Shigella dysenteriae* type 1, *Shigella flexneri* type 2a, and *Shigella sonnei* (*Plesiomonas shigelloides*) bound to bacterial toxoids

Taylor D.N.; Trofa A.C.; Sadoff J.; Chu C.; Bryla D.; Shiloach J.; Cohen D.; Ashkenazi S.; Lerman Y.; Egan W.; Schneerson R.; Robbins J.B.

Communicable Diseases/Immunol. Div., Walter Reed Army Research Institute, Washington, DC 20307-5100 USA

INFECT. IMMUN. (USA), 1993, 61/9 (3678-3687) CODEN: INFIB ISSN: 0019-9567

LANGUAGES: English SUMMARY LANGUAGES: English

8/3/140 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

8875829 EMBASE No: 93179553

Synthesis of a tetrasaccharide donor corresponding to the O-specific polysaccharide of *Shigella dysenteriae* type 1

Pozsgay V.; Glaudemans C.P.J.; Robbins J.B.; Schneerson R.

NIH, Bethesda, MD 20892 USA

CARBOHYDR. RES. (Netherlands), 1993, 244/2 (259-273) CODEN: CRBRA

ISSN: 0008-6215 ADONIS ORDER NUMBER: 000862159300278A

LANGUAGES: English SUMMARY LANGUAGES: English

8/3/141 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

8621367 EMBASE No: 92297543

Erratum: Synthesis of a conjugate vaccine composed of pneumococcus type 14 capsular polysaccharide bound to pertussis toxin (Infection and Immunity 60:9 (3530))

Schneerson R.; Levi L.; Robbins J.B.; Bryla D.M.; Schiffman G.; Lagergard T.

Developmental/Molec. Immunity Lab., NICHHD, National Institutes of Health, Bethesda, MD 20892 USA

INFECT. IMMUN. (USA), 1992, 60/10 (4443) CODEN: INFIB ISSN: 0019-9567

LANGUAGES: English

8/3/142 (Item 7 from file: 73)

DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

8417356 EMBASE No: 92094265

Conjugate vaccine for induction of poly ((2 right arrow8)-alpha-N-acetylneuraminic acid) antibodies

Devi S.J.N.; Robbins J.B.; Schneerson R.

National Institute of Child Health and Human Development, NIH, Bethesda,

MD USA

NIPH ANN. (Norway) , 1991, 14/2 (243-245) CODEN: NIAND ISSN: 0332-5652  
LANGUAGES: English

8/3/143 (Item 8 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

8239830 EMBASE No: 91270279

Antibodies to poly((2right arrow8)-alpha-N-acetylneuraminic acid) and poly((2right arrow9)-alpha-N-acetylneuraminic acid) are elicited by immunization of mice with Escherichia coli K92 conjugates: Potential vaccines for groups B and C meningococci and E. coli K1

Devi S.J.N.; Robbins J.B.; Schneerson R.

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892 USA

PROC. NATL ACAD. SCI. U. S. A. (USA) , 1991, 88/16 (7175-7179) CODEN: PNASA ISSN: 0027-8424

LANGUAGES: English

8/3/144 (Item 9 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

8039033 EMBASE No: 91068856

Clinical and immunologic responses to Haemophilus influenzae type b-tetanus toxoid conjugate vaccine in infants injected at 3, 5, 7, and 18 months of age

Parke J.C. Jr.; Schneerson R.; Reimer C.; Black C.; Welfare S.; Bryla D.; Levi L.; Pavliakova D.; Cramton T.; Schulz D.; Cadoz M.; Robbins J.B.

Department of Pediatrics, Carolinas Medical Center, P.O. Box 32861, Charlotte, NC 28232-2861 USA

J. PEDIATR. (USA) , 1991, 118/2 (184-190) CODEN: JOPDA ISSN: 0022-3476  
ADONIS ORDER NUMBER: 002234769100101P

LANGUAGES: English

8/3/145 (Item 10 from file: 73)

DIALOG(R)File 73:EMBASE

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7272622 EMBASE No: 88272573

Clinical, metabolic, and antibody responses of adult volunteers to an investigational vaccine composed of pertussis toxin inactivated by hydrogen peroxide

Sekura R.D.; Zhang Y.-L.; Robertson R.; Acton B.; Trollfors B.; Tolson N.; Shiloach J.; Bryla D.; Muir-Nash J.; Koeller D.; Schneerson R.; Robbins J.B.

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892 USA

J. PEDIATR. (USA) , 1988, 113/5 (806-813) CODEN: JOPDA ISSN: 0022-3476  
LANGUAGES: English

8/3/146 (Item 11 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

6266688 EMBASE No: 87003313  
Rabbit antibodies to the cell wall polysaccharide of Streptococcus pneumoniae fail to protect mice from lethal challenge with encapsulated pneumococci  
Szu S.C.; Schneerson R.; Robbins J.B.  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, MD 20892 USA  
INFECT. IMMUN. (USA) , 1986, 54/2 ( 448-455) CODEN: INFIB  
LANGUAGES: ENGLISH

8/3/147 (Item 12 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

5330893 EMBASE No: 83082240  
Protection against pneumococcal infection in mice conferred by phosphocholine-binding antibodies: Specificity of the phosphocholine binding and relation to several types  
Szu S.C.; Clarke S.; Robbins J.B.  
Off. Biol., Food Drug Adm., Natl. Cancer Inst., Bethesda, MD 20205 USA  
INFECT. IMMUN. (USA) , 1983, 39/2 (993-999) CODEN: INFIB  
LANGUAGES: ENGLISH

8/3/148 (Item 13 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

5057694 EMBASE No: 82059468  
Molecular size characterization of bacterial capsular polysaccharide vaccines with sepharose(Reg.trademark) CL-2B  
McCauley J.A.; Mancinelli R.J.; Downing G.V.; Robbins J.B.  
Merck Sharp and Dohme Res. Lab., Rahway, NJ 07065 USA  
J. BIOL. STAND. (ENGLAND) , 1981, 9/4 (461-468) CODEN: JBSTB  
LANGUAGES: ENGLISH

8/3/149 (Item 14 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

1573217 EMBASE No: 80074310  
The control of polyvalent pneumococcal polysaccharide vaccines  
Robbins J.B.  
Div. Bact. Products, Bur. Biol., Bethesda, Md. USA  
J. INFECT. (ENGLAND) , 1979, 1/Suppl. 2 (61-72) CODEN: JINFD  
LANGUAGES: ENGLISH

8/3/150 (Item 15 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

1278907 EMBASE No: 79046707  
Characterization and mitogenic activity of Haemophilus influenzae type B  
capsular polysaccharide  
Lee C.J.; Robbins J.B.  
Div. Bacter. Polysaccharide, Bur. Biol., NIH, Bethesda, Md. 20014 USA  
IMMUNOL. COMMUN. (USA) , 1978, 7/5 (503-518) CODEN: IMLCA  
LANGUAGES: ENGLISH

8/3/151 (Item 16 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

643570 EMBASE No: 77020642  
Acquisition of 'natural' and immunization induced immunity to Haemophilus  
influenzae type b diseases  
MICROBIOLOGY 1975  
Robbins J.B.  
Div. Bact. Prod., Bur. Biol., Food Drug Adm., Bethesda, Md. 20014 USA  
AMER.SOC.MICROBIOL. (USA) , 1975, (400-405) CODEN: BOOKA  
LANGUAGES: ENGLISH

# EXHIBIT 2H

Listing of Articles by S. Szu

? s au= szu s? and vaccin?  
 131 AU=SZU S?  
 258992 VACCIN?  
 S9 7/5-7/5 AU= SZU S? AND VACCIN?

? rd s9  
 ...examined 50 records (50)  
 ...completed examining records  
 S10 45 RD S9 (unique items)  
 ? t 10/3/all

10/3/1 (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09773184 96294784  
 Synthesis, characterization, and immunological properties in mice of conjugates composed of detoxified lipopolysaccharide of Salmonella paratyphi A bound to tetanus toxoid with emphasis on the role of O acetyls. Konadu E; Shiloach J; Bryla DA; Robbins JB; Szu SC  
 National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland 20892, USA.  
 Infect Immun (UNITED STATES) Jul 1996, 64 (7) p2709-15, ISSN 0019-9567 Journal Code: GO7  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

10/3/2 (Item 2 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09508140 96029740  
 Characterization of a human monoclonal immunoglobulin M (IgM) antibody (IgMBEN) specific for Vi capsular polysaccharide of Salmonella typhi. Liao J; Nickerson KG; Bystricky S; Robbins JB; Schneerson R; Szu SC; Kabat EA  
 Department of Microbiology and Neurology, College of Physicians and Surgeons, Columbia University, New York, New York 10032, USA.  
 Infect Immun (UNITED STATES) Nov 1995, 63 (11) p4429-32, ISSN 0019-9567 Journal Code: GO7  
 Contract/Grant No.: 5R01-AI-25616, AI, NIAID; 5R01-AI-27508, AI, NIAID; 5R01-AI19042, AI, NIAID  
 Languages: ENGLISH  
 Document type: JOURNAL ARTICLE

10/3/3 (Item 3 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 1996 Knight-Ridder Info. All rts. reserv.

09417786 95347786  
 Comparative immunogenicity of conjugates composed of Escherichia coli O111 O-specific polysaccharide, prepared by treatment with acetic acid or hydrazine, bound to tetanus toxoid by two synthetic schemes. Gupta RK; Egan W; Bryla DA; Robbins JB; Szu SC  
 National Institute of Child Health and Human Development, National

Institutes of Health, Bethesda, Maryland 20892, USA.

Infect Immun (UNITED STATES) Aug 1995, 63 (8) p2805-10, ISSN  
0019-9567 Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

10/3/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09357027 95287027

Perspective: hypothesis: serum IgG antibody is sufficient to confer  
protection against infectious diseases by inactivating the inoculum.

Robbins JB; Schneerson R; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, National Institutes of Health,  
Bethesda, Bethesda, Maryland 20892, USA.

J Infect Dis (UNITED STATES) Jun 1995, 171 (6) p1387-98, ISSN  
0022-1899 Journal Code: IH3

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

10/3/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09118792 95048792

Synthesis and some immunologic properties of an O-acetyl pectin  
[poly(1-->4)-alpha-D-GalpA]-protein conjugate as a vaccine for typhoid  
fever.

Szu SC; Bystricky S; Hinojosa-Ahumada M; Egan W; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Food and Drug Administration, Bethesda,  
Maryland 20892.

Infect Immun (UNITED STATES) Dec 1994, 62 (12) p5545-9, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/6 (Item 6 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082725 95012725

Preparation, characterization, and immunological properties in mice of  
Escherichia coli O157 O-specific polysaccharide-protein conjugate vaccines.

Konadu E; Robbins JB; Shiloach J; Bryla DA; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of  
Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Nov 1994, 62 (11) p5048-54, ISSN  
0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/7 (Item 7 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

09082634 95012634

Laboratory and preliminary clinical characterization of Vi capsular polysaccharide-protein conjugate vaccines.

Szu SC; Taylor DN; Trofa AC; Clements JD; Shiloach J; Sadoff JC; Bryla DA; Robbins JB

National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Oct 1994, 62 (10) p4440-4, ISSN 0019-9567 Journal Code: G07

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/8 (Item 8 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08304185 93014185

Protection of mice against Salmonella typhimurium with an O-specific polysaccharide-protein conjugate vaccine.

Watson DC; Robbins JB; Szu SC

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Nov 1992, 60 (11) p4679-86, ISSN 0019-9567 Journal Code: G07

Contract/Grant No.: GM 12557, GM, NIGMS

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/9 (Item 9 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

08209992 92347992

Synthesis, characterization, and some immunological properties of conjugates composed of the detoxified lipopolysaccharide of Vibrio cholerae O1 serotype Inaba bound to cholera toxin.

Gupta RK; Szu SC; Finkelstein RA; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Aug 1992, 60 (8) p3201-8, ISSN 0019-9567 Journal Code: G07

Contract/Grant No.: AI 17312, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/10 (Item 10 from file: 155)

DIALOG(R)File 155:MEDLINE(R)



(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07902138 92040138

Preparation, characterization, and immunogenicity of conjugates composed of the O-specific polysaccharide of Shigella dysenteriae type 1 (Shiga's bacillus) bound to tetanus toxoid.

Chu CY; Liu BK; Watson D; Szu SS; Bryla D; Shiloach J; Schneerson R; Robbins JB

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1991, 59 (12) p4450-8, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/11 (Item 11 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07743367 91262367

O-specific side-chain toxin-protein conjugates as parenteral vaccines for the prevention of shigellosis and related diseases.

Robbins JB; Chu C; Watson DC; Szu SC; Daniels EM; Lowe CU; Schneerson R  
National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland.

Rev Infect Dis (UNITED STATES) Mar-Apr 1991, 13 Suppl 4 pS362-5, ISSN 0162-0886 Journal Code: SXN

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

10/3/12 (Item 12 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400247 90307247

Synthesis and immunologic properties in mice of vaccines composed of Staphylococcus aureus type 5 and type 8 capsular polysaccharides conjugated to Pseudomonas aeruginosa exotoxin A.

Fattom A; Schneerson R; Szu SC; Vann WF; Shiloach J; Karakawa WW; Robbins JB

National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2367-74, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/13 (Item 13 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07400239 90307239

Serum antibody response in adult volunteers elicited by injection of

Streptococcus pneumoniae type 12F polysaccharide alone or conjugated to diphtheria toxoid.

Fattom A; Lue C; Szu SC; Mestecky J; Schiffman G; Bryla D; Vann WF; Watson D; Kimzey LM; Robbins JB; et al

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Jul 1990, 58 (7) p2309-12, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: CLINICAL TRIAL; JOURNAL ARTICLE; RANDOMIZED CONTROLLED TRIAL

10/3/14 (Item 14 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

07128471 90035471

Comparative immunogenicities of Vi polysaccharide-protein conjugates composed of cholera toxin or its B subunit as a carrier bound to high- or lower-molecular-weight Vi.

Szu SC; Li XR; Schneerson R; Vickers JH; Bryla D; Robbins JB

Laboratory of Developmental and Molecular Immunity, Food and Drug Administration, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Dec 1989, 57 (12) p3823-7, ISSN 0019-9567 Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/15 (Item 15 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06973853 89275853

Prevention of invasive bacterial diseases by immunization with polysaccharide-protein conjugates.

Robbins JB; Schneerson R; Szu SC; Fattom A; Yang Y; Lagergard T; Chu C; Sorensen US

Curr Top Microbiol Immunol (GERMANY, WEST) 1989, 146 p169-80, ISSN 0070-217X Journal Code: DWQ

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

10/3/16 (Item 16 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06669266 88314266

Synthesis and physicochemical and immunological characterization of pneumococcus type 12F polysaccharide-diphtheria toxoid conjugates.

Fattom A; Vann WF; Szu SC; Sutton A; Li X; Bryla D; Schiffman G; Robbins JB; Schneerson R

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.

Infect Immun (UNITED STATES) Sep 1988, 56 (9) p2292-8, ISSN 0019-9567  
Journal Code: GO7  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

10/3/17 (Item 17 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06568614 88213614  
Application of optical properties of the Vi capsular polysaccharide for quantitation of the Vi antigen in vaccines for typhoid fever.  
Stone AL; Szu SC  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
J Clin Microbiol (UNITED STATES) Apr 1988, 26 (4) p719-25, ISSN 0095-1137  
Journal Code: HSH  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

10/3/18 (Item 18 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06462159 88107159  
Prospects for polysaccharide-protein conjugate vaccines.  
Robbins JB; Schneerson R; Szu SC; Yang YH  
Ann Sclavo Collana Monogr (ITALY) 1986, 3 (1-2) p213-32, ISSN 0003-472X  
Journal Code: ASC  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

10/3/19 (Item 19 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06416064 88061064  
Vi capsular polysaccharide-protein conjugates for prevention of typhoid fever. Preparation, characterization, and immunogenicity in laboratory animals.  
Szu SC; Stone AL; Robbins JD; Schneerson R; Robbins JB  
Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, Maryland 20892.  
J Exp Med (UNITED STATES) Nov 1 1987, 166 (5) p1510-24, ISSN 0022-1007  
Journal Code: I2V  
Languages: ENGLISH  
Document type: JOURNAL ARTICLE

10/3/20 (Item 20 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 1996 Knight-Ridder Info. All rts. reserv.

06054099 87028099

Ultrasonic irradiation of bacterial polysaccharides. Characterization of the depolymerized products and some applications of the process.

Szu SC; Zon G; Schneerson R; Robbins JB

Carbohydr Res (NETHERLANDS) Sep 1 1986, 152 p7-20, ISSN 0008-6215

Journal Code: CNY

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/21 (Item 21 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04721266 82264266

Hydrolytic stability of pneumococcal group 6 (type 6A and 6B) capsular polysaccharides.

Zon G; Szu SC; Egan W; Robbins JD; Robbins JB

Infect Immun (UNITED STATES) Jul 1982, 37 (1) p89-103, ISSN 0019-9567

Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/22 (Item 22 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04623351 82166351

Cross-immunogenicity of pneumococcal group 9 capsular polysaccharides in adult volunteers.

Szu SC; Lee CJ; Parke JC Jr; Schiffman G; Henrichsen J; Austrian R;

Rastogi SC; Robbins JB

Infect Immun (UNITED STATES) Mar 1982, 35 (3) p777-82, ISSN 0019-9567

Journal Code: GO7

Contract/Grant No.: 223-78-1204; NO1-AI-42541

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/23 (Item 23 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1996 Knight-Ridder Info. All rts. reserv.

04338918 81166918

Immunochemical characterization of cross-reactivity of pneumococcal group 9 capsular polysaccharide types 9N, 9A, 9L, and 9V.

Szu S; Lee CJ; Carlo D; Henrichsen J

Infect Immun (UNITED STATES) Jan 1981, 31 (1) p371-9, ISSN 0019-9567

Journal Code: GO7

Languages: ENGLISH

Document type: JOURNAL ARTICLE

10/3/24 (Item 1 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216084 BIOSIS Number: 98816084

New synthetic scheme for Vi conjugate vaccines against Salmonella typhi  
Kossaczka Z; Robbins J B; Szu S C

NICHD, NIH, Bethesda, MD 20892, USA

Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of  
the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104553

10/3/25 (Item 2 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216083 BIOSIS Number: 98816083

Evaluation of Escherichia coli O157 O-specific polysaccharide Pseudomonas  
aeruginosa recombinant exoprotein A (rEPA) conjugates

Konadu E; Parke J C Jr; Robbins J B; Szu S C; Shiloach J

NICHD, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of  
the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104552

10/3/26 (Item 3 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1996 BIOSIS. All rts. reserv.

12216082 BIOSIS Number: 98816082

Preparation, characterization and immunogenicity in mice of Salmonella  
paratyphi A O-specific polysaccharide-tetanus toxoid conjugates: Role of  
O-acetyls

Szu S C; Robbins J B; Shiloach J; Konadu E

NICHD, NIDDK, NIH, Bethesda, MD, USA

Abstracts of the General Meeting of the American Society for Microbiology  
96 (0). 1996. 276.

Full Journal Title: 96th General Meeting of the American Society for  
Microbiology, New Orleans, Louisiana, USA, May 19-23, 1996. Abstracts of  
the General Meeting of the American Society for Microbiology

ISSN: 1060-2011

Language: ENGLISH

Document Type: CONFERENCE PAPER

Print Number: Biological Abstracts/RRM Vol. 048 Iss. 006 Ref. 104551

10/3/27 (Item 4 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

12153329 BIOSIS Number: 98753329  
Development of O-specific polysaccharide-protein conjugates is based upon the protective effects of serum vibriocidal antibodies against cholera  
Szu S C; Gupta R; Kovac P; Taylor D N; Robbins J B  
National Inst. Health, Bethesda, MD 20892, USA  
Bulletin de l'Institut Pasteur 93 (4). 1995. 269-272.  
Full Journal Title: Bulletin de l'Institut Pasteur  
ISSN: 0020-2452  
Language: ENGLISH  
Print Number: Biological Abstracts/RRM Vol. 048 Iss. 005 Ref. 068526

10/3/28 (Item 5 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

11550993 BIOSIS Number: 98150993  
Induction of Serum Vibriocidal Antibodies by O-Specific Polysaccharide-Protein Conjugate Vaccines for Prevention of Cholera  
Szu S C; Gupta R; Robbins J B  
Lab. Dev. Mol. Immunity, Natl. Inst. Child Health Human Dev., Bethesda, MD 20891-0001, USA  
0 (0). 1994. 381-394.  
Full Journal Title: Wachsmuth, I. K., P. A. Blake and O. Olsvik (Ed.). Vibrio cholerae and cholera: Molecular to global perspectives. xii+465p. American Society for Microbiology (ASM): Washington, DC, USA. ISBN 1-55581-067-5.  
ISSN: \*\*\*\*\*  
Language: ENGLISH  
Document Type: BOOK  
Print Number: Biological Abstracts/RRM Vol. 047 Iss. 004 Ref. 053714

10/3/29 (Item 6 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
(c) 1996 BIOSIS. All rts. reserv.

11454211 BIOSIS Number: 98054211  
Synthesis and Some Immunologic Properties of an O-Acetyl Pectin (Poly(1 fwardarw 4)-alpha-D-GalpA)-Protein Conjugate as a Vaccine for Typhoid Fever  
Szu S C; Bystricky S; Hinojosa-Ahumada M; Egan W; Robbins J B  
Lab. Dev. Mol. Immunity, Natl. Inst. Child Health Human Dev., Bethesda, MD 20892, USA  
Infection and Immunity 62 (12). 1994. 5545-5549.  
Full Journal Title: Infection and Immunity  
ISSN: 0019-9567  
Language: ENGLISH  
Print Number: Biological Abstracts Vol. 099 Iss. 003 Ref. 038755

10/3/30 (Item 7 from file: 5)  
 DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
 (c) 1996 BIOSIS. All rts. reserv.

11236364 BIOSIS Number: 97436364  
 A tale of two toxins  
 Robbins J B; Szu S C; Schneerson R; Trollfors B; Lagergard T A; Taranger  
 J  
 National Inst. Child Health Human Dev., NIH, Bethesda, MD 20892, USA  
 0 (0). 1994. 99-111.  
 Full Journal Title: Norrby, E., et al. (Ed.). Vaccines (Cold Spring  
 Harbor), 94. Modern approaches to new vaccines including prevention of  
 AIDS; Eleventh Annual Meeting on Modern Approaches to New Vaccines, Cold  
 Spring Harbor, New York, USA, September 1993. xix+403p. Cold Spring Harbor  
 Laboratory Press: Plainview, New York, USA. ISBN 0-87969-434-3.  
 ISSN: 0899-4056  
 Language: ENGLISH  
 Document Type: BOOK; CONFERENCE PAPER  
 Print Number: Biological Abstracts/RRM Vol. 046 Iss. 010 Ref. 161128

10/3/31 (Item 8 from file: 5)  
 DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
 (c) 1996 BIOSIS. All rts. reserv.

10241114 BIOSIS Number: 45041114  
 PREPARATION CHARACTERIZATION AND IMMUNOGENICITY OF CONJUGATES COMPOSED OF  
 THE O-SPECIFIC POLYSACCHARIDE OF ESCHERICHIA-COLI O157 BOUND TO CARRIER  
 PROTEINS  
 KONADU E Y; SZU S C; ROBBINS J B  
 NATIONAL INST. CHILD HEALTH AND HUMAN DEV., NIH, BETHESDA, MD.  
 93RD GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, ATLANTA,  
 GEORGIA, USA, MAY 16-20, 1993. ABSTR GEN MEET AM SOC MICROBIOL 93 (0).  
 1993. 157. CODEN: AGMME  
 Language: ENGLISH  
 Document Type: CONFERENCE PAPER

10/3/32 (Item 9 from file: 5)  
 DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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7537469 BIOSIS Number: 39050076  
 PREPARATION OF PROTEIN CONJUGATES WITH DETOXIFIED LPS FROM  
 ESCHERICHIA-COLI J5 MUTANT  
 GUPTA R K; SZU S C; ROBBINS J B  
 LAB. DEV. MOL. IMMUNITY, NATL. INST. CHILD HEALTH HUMAN DEV., NIH,  
 BETHESDA, MD. 20892, USA.  
 90TH ANNUAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY 1990,  
 ANAHEIM, CALIFORNIA, USA, MAY 13-17, 1990. ABSTR ANNU MEET AM SOC MICROBIOL  
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 Language: ENGLISH  
 Document Type: CONFERENCE PAPER

10/3/33 (Item 10 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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6795513 BIOSIS Number: 36126034  
BACTERIAL POLYSACCHARIDES BOUND TO PROTEINS BY HETEROBIFUNCTIONAL  
THIOLATING AGENTS  
SZU S C; CHU C; ROBBINS J B  
NATL. INST. CHILD HEALTH AND DEVELOPMENT, NIH.  
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Document Type: CONFERENCE PAPER

10/3/34 (Item 11 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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6216269 BIOSIS Number: 35081790  
PROTECTIVE ROLES OF MUCOSAL AND SERUM IMMUNITY AGAINST TYPHOID FEVER  
ROBBINS J B; SCHNEERSON R; ACHARYA I L; LOWE C U; SZU S C; DANIELS E;  
YANG Y; TROLLFORS B  
LAB. DEVELOPMENTAL MOLECULAR IMMUNITY, NATL. INST. CHILD HEALTH HUM.  
DEVELOPMENTAL, NIH, BETHESDA, MD. 20892.  
HANSON, L. A. AND C. S. EDEN (ED.). MONOGRAPHS IN ALLERGY, VOL. 24.  
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IMMUNE SYSTEM; 68TH NOBEL SYMPOSIUM, MARSTRAND, SWEDEN, JUNE 14-18, 1987.  
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ISBN 3-8055-4680-7. 0 (0). 1988. 315-320. CODEN: MOALA  
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Document Type: CONFERENCE PAPER

10/3/35 (Item 12 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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5566945 BIOSIS Number: 32089252  
MEASUREMENT OF THE VI CAPSULAR POLYSACCHARIDE AN AMINOURLONIC ACID POLYMER  
BY IR SPECTROSCOPY AND COLORIMETRIC REACTION  
SZU S C; STONE A  
LAB. DEV. MOLECULAR IMMUNITY, NATL. INST. CHILD HEALTH DEV., NIH,  
BETHESDA, MD 20814.  
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CODEN: BIOJA  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

10/3/36 (Item 13 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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3963289 BIOSIS Number: 75010648



HYDROLYTIC STABILITY OF PNEUMOCOCCAL GROUP 6 TYPE 6A AND TYPE 6B CAPSULAR  
POLY SACCHARIDES

ZON G; SZU S C; EGAN W; ROBBINS J D; ROBBINS J B  
DEP. CHEM., CATHOLIC UNIV. AMERICA, WASHINGTON, D.C. 20064.  
INFECT IMMUN 37 (1). 1982. 89-103. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
Language: ENGLISH

10/3/37 (Item 14 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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3710211 BIOSIS Number: 74010074  
CROSS IMMUNOGENICITY OF PNEUMOCOCCAL GROUP 9 CAPSULAR POLY SACCHARIDES IN  
ADULT VOLUNTEERS

SZU S C; PARKE J C JR; SCHIFFMAN G; HENRICHSEN J; AUSTRIAN R; RASTOGI S C  
; ROBBINS J B; LEE C-J  
BUREAU OF BIOL., FOOD AND DRUG ADMINISTRATION, BETHESDA, MD. 20205.  
INFECT IMMUN 35 (3). 1982. 777-782. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
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10/3/38 (Item 15 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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3394356 BIOSIS Number: 72026747  
IMMUNOCHEMICAL CHARACTERIZATION OF CROSS REACTIVITY OF PNEUMOCOCCAL GROUP  
9 CAPSULAR POLY SACCHARIDE TYPES 9N 9A 9L AND 9V

SZU S; LEE C-J; CARLO D; HENRICHSEN J  
BUR. BIOL. FOOD DRUG ADM., BETHESDA, MD. 20205.  
INFECT IMMUN 31 (1). 1981. 371-379. CODEN: INFIB  
Full Journal Title: Infection and Immunity  
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10/3/39 (Item 16 from file: 5)  
DIALOG(R)File 5:BIOSIS PREVIEWS(R)  
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2883702 BIOSIS Number: 18056113  
CROSS REACTIVITY AND CHEMICAL CHARACTERIZATION OF GROUP 9 PNEUMOCOCCAL  
POLY SACCHARIDES

SZU S C; LEE C J; ROBBINS J B  
BUR. BIOL., FOOD DRUG ADM., BETHESDA, MD. 20014, USA.  
80TH ANNUAL MEETING, MIAMI BEACH, FLA., USA, MAY 11-16, 1980. ABSTR ANNU  
MEET AM SOC MICROBIOL 80 (0). 1980. ABSTRACT 412. CODEN: ASMAC  
Language: ENGLISH  
Document Type: CONFERENCE PAPER

10/3/40 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 1996 Elsevier Science B.V. All rts. reserv.

9889199 EMBASE No: 96071309

Hypothesis: How licensed vaccines confer protective immunity

Robbins J.B.; Schneerson R.; Szu S.C.

Lab. of Devtl./Molecular Immunity, NICHHD, NIH, Bethesda, MD 20892 USA

Advances in Experimental Medicine and Biology (USA) , 1996, 397 (169-181)

CODEN: AEMBA ISSN: 0065-2598

LANGUAGES: English SUMMARY LANGUAGES: English

10/3/41 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

9622159 EMBASE No: 95174991

Hypothesis: Serum IgG antibody is sufficient to confer protection against infectious diseases by inactivating the inoculum

Robbins J.B.; Schneerson R.; Szu S.C.

Devtl./Molecular Immunity Laboratory, Bldg. 6, NIH, Bethesda, MD 20892

USA

Journal of Infectious Diseases (USA) , 1995, 171/6 (1387-1398) CODEN:

JIDIA ISSN: 0022-1899

LANGUAGES: English SUMMARY LANGUAGES: English

10/3/42 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

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9419274 EMBASE No: 94366622

Synthesis and some immunologic properties of an O-acetyl pectin (poly(1right arrow4)-alpha-D-GalpA)-protein conjugate as a vaccine for typhoid fever

Szu S.C.; Bystricky S.; Hinojosa-Ahumada M.; Egan W.; Robbins J.B.

Developmental/Molec. Immunity Lab., NICHHD, Bethesda, MD 20892 USA

INFECT. IMMUN. (USA) , 1994, 62/12 (5545-5549) CODEN: INFIB ISSN:

0019-9567

LANGUAGES: English SUMMARY LANGUAGES: English

10/3/43 (Item 4 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

6266688 EMBASE No: 87003313

Rabbit antibodies to the cell wall polysaccharide of Streptococcus pneumoniae fail to protect mice from lethal challenge with encapsulated pneumococci

Szu S.C.; Schneerson R.; Robbins J.B.

Laboratory of Developmental and Molecular Immunity, National Institute of Child Health and Human Development, Bethesda, MD 20892 USA

INFECT. IMMUN. (USA) , 1986, 54/2 ( 448-455) CODEN: INFIB

LANGUAGES: ENGLISH

10/3/44 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

5330893 EMBASE No: 83082240

Protection against pneumococcal infection in mice conferred by  
phosphocholine-binding antibodies: Specificity of the phosphocholine  
binding and relation to several types

Szu S.C.; Clarke S.; Robbins J.B.

Off. Biol., Food Drug Adm., Natl. Cancer Inst., Bethesda, MD 20205 USA

INFECT. IMMUN. (USA) , 1983, 39/2 (993-999) CODEN: INFIB

LANGUAGES: ENGLISH

10/3/45 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 1996 Elsevier Science B.V. All rts. reserv.

5175776 EMBASE No: 82181093

Hydrolytic stability of pneumococcal group (type 6A and 6B) capsular  
polysaccharides

Zon G.; Szu S.C.; Egan W.; et al.

Dep. Chem., Cathol. Univ. Am., Washington, DC 20064 USA

INFECT. IMMUN. (USA) , 1982, 37/1 (89-103) CODEN: INFIB

LANGUAGES: ENGLISH